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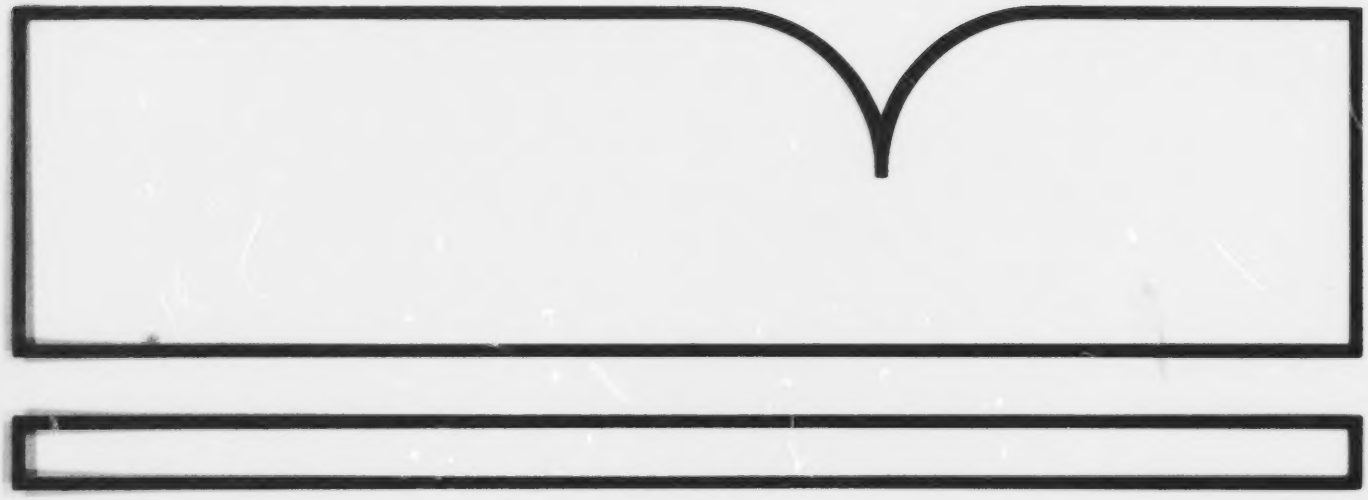
Directory of Information Resources Related to Health Exposure, and Risk Assessment of Air Toxics

(U.S.) Environmental Protection Agency, Research Triangle Park, NC

Aug 89



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Many State and local gencies are developing or implementing programs to control emissions fo toxic air pollutants. To successfully carry our these programs, in many cases, agency personnel must be familiar with a wide range of issues related to health, exposure, and risk assessment for toxic air pollutants. However, locating appropriate sources of information on these topics is not always an easy task. This directory has been prepared by the U.s. Environmental Protection Agency's (EPA's) Air Risk Information Support Center (Air RISC) as a resource tool for state and local air pollution control agencies and EPA Regional Offices to identify useful sources of informaiton regarding health, exposure, and risk assessments for toxic air pollutants.

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Air Risk Information Support Center
Research Triangle Park, NC 27711

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August 1989

Air

EPA

Directory of Information Resources Related to Health, Exposure, and Risk Assessment of Air Toxics

Air RISC

AIR RISK INFORMATION SUPPORT CENTER

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL INFORMATION SERVICE
SPRINGFIELD, VA. 22161

EPA/450/3-88-015
August 1989

DIRECTORY OF INFORMATION RESOURCES RELATED TO HEALTH, EXPOSURE, AND RISK ASSESSMENT OF AIR TOXICS

by

Air Risk Information Support Center (Air RISC)
U.S. Environmental Protection Agency

Sponsored by:

Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711

Office of Health and Environmental Assessment
Research Triangle Park, NC 27711
Washington, DC 20460
Cincinnati, OH 45268

Center for Environmental Research Information
Cincinnati, OH 45268

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This report has been reviewed by the Office of Air Quality Planning and Standards of the Office of Air and Radiation, and by the Office of Health and Environmental Assessment and the Center for Environmental Research Information of the Office of Research and Development and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

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PREFACE

Many State and local agencies are developing or implementing programs to control emissions of toxic air pollutants. To successfully carry out these programs, in many cases, agency personnel must be familiar with a wide range of issues related to health, exposure, and risk assessment for toxic air pollutants. However, locating appropriate sources of information on these topics is not always an easy task. This directory has been prepared by the U.S. Environmental Protection Agency's (EPA's) Air Risk Information Support Center (Air RISC) as a resource tool for State and local air pollution control agencies and EPA Regional Offices to identify useful sources of information regarding health, exposure, and risk assessments for toxic air pollutants.

The Air RISC is operated by EPA's Office of Air Quality Planning and Standards (OAQPS), Office of Health and Environmental Assessment (OHEA), and Center for Environmental Research Information (CERI). The key goal of Air RISC is to provide technical assistance to State and local air pollution control agencies and EPA Regional Offices, in obtaining, reviewing, and interpreting health, exposure, and risk assessment information for toxic air pollutants. Through Air RISC, State, local, and EPA Regional Office personnel can request expert guidance and information on health, exposure, and risk assessment issues and methodologies related to toxic air pollutants.

This directory is divided into four sections and an appendix:

- Section I: Informational Resources - Various informational sources that are available to State and local agencies are described. These resources include support centers, clearinghouses, hotlines, and data bases. Where appropriate, contacts, addresses, and/or telephone numbers are provided.

- This section is divided into three parts. First, primary EPA sources of information that can respond to a wide range of questions on toxic air pollutants or health, risk, and exposure assessments are described. Next, secondary EPA sources of information are presented which, though not primarily established to respond to questions on toxic air pollutants, may provide other useful information. Lastly, non-EPA information sources

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are described. These resources can provide health assessment and emergency response information. A summary of these resources, which may be removed from this directory and posted, is provided at the end of the introduction.

- Section II: Key EPA Offices - This section describes the functions of key EPA offices that perform work and/or provide information related to health, risk, and exposure assessments of toxic air pollutants. An address and/or phone number for each office is provided.

- Section III: EPA Regional Information Resources - Regional Office general information numbers and appropriate contacts for air toxics, Superfund and Resource Conservation and Recovery Act (RCRA) program offices, and libraries are listed for each Region.

- Section IV: Key Reference Materials - References concerning health, exposure, and risk assessments for air toxics are listed. These resources include chemical profiles; occupational health and safety documents; health and exposure assessment documents; and risk assessment references.

- Index - Key subject areas are provided to serve as a quick reference to the resources and EPA offices listed in Sections I and II.

- Appendix: Key Data Bases - Data bases that are useful sources of health, exposure, and risk assessment information are listed and briefly described in the appendix. Information on accessing these data bases is also included.

This directory is intended as a reference source to be used as a starting point for accessing technical assistance and information relative to health, exposure, and risk assessments for toxic air pollutants.

SUMMARY OF INFORMATIONAL RESOURCES

1. Air Risk Information Support Center (Air RISC). Provides technical assistance and information relative to health, exposure, and risk assesments for toxic air pollutants. 919-541-0888.

2. Control Technology Center (CTC). Provides engineering guidance and support on emission characterization and air pollution control technology. 919-541-0800.

3. Emergency Planning and Community Right-to-Know Information Hotline. Answers questions regarding the Emergency Planning and Community Right-to-Know Act (SARA Title III). 1-800-535-0202/202-479-2449.

4. Integrated Risk Information System (IRIS). Is an on-line data base containing chemical-specific toxicity and regulatory information. 513-569-7254.

5. National Air Toxics Information Clearinghouse (NATICH). Assists in exchange of information about air toxics and the development of air toxics programs. The NATICH data base contains permitting data, ambient air monitoring data, and research and methods development information. 919-541-0850.

6. Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hotline. Explains EPA regulations and policy under the RCRA/CERCLA (Superfund) and Underground Storage Tanks (UST) programs. 1-800-424-9346/202-382-3000.

7. Toxic Chemical Release Inventory Data Base (TRI). Provides instructions on how to access and use the TRI data base. See Regional contacts listed on page 9.

8. Toxic Substances Control Act (TSCA) Assistance Information Service. Provides information on TSCA regulations. 202-554-1404.

9. Asbestos Hotline. Provides technical information concerning asbestos abatement problems. 800-835-6700/202-554-1404.

10. Best Available Control Technology (BACT)/Lowest Achievable Emission Rate (LAER) Clearinghouse. Assists in exchange information about BACT and LAER determinations as established under the Clean Air Act. 919-541-5432.

11. Chemical Assessment Desk. Offers technical consultation and information on chemical risk-related issues, chemical toxicity and environmental fate from the OTS Existing Chemicals Program. See Regional contacts listed on page 12.

12. Fuel and Fuel Additive Registration Program. Provides information regarding the description and registration of fuels and fuel additives. 202-475-8001.

13. Information Referral System (INFOTERRA). A global information system linking environmental decision-makers with scientific and technical data and expertise. 202-382-5917.

14. Motor Vehicle Anti-Tampering Program. Provides information pertaining to enforcement of tampering regulations (Clean Air Act), gasoline additives, and emission standards. 202-382-2640.

15. Public Information Center (PIC). Answers inquiries from the public about EPA programs and activities. 202-382-2080.

16. Risk Communication Hotline. Provides information on risk communication, research, skill building, implementation, and evaluation. 202-382-5606.

17. Safe Drinking Water Hotline. Answers questions about the Safe Drinking Water Act (and its amendments), and EPA drinking water programs. 800-426-4791.

18. Small Business Hotline. Assists small businesses in complying with environmental laws including EPA regulations. 800-368-5888/703-557-1938.

19. U.S. Environmental Protection Agency - Library Services. Supports EPA offices by providing information on chemical toxicity and all aspects of air pollution. 919-541-2777.

20. Cancer Information Service. Answers general questions about the relationship of indoor air pollution and cancer, and the treatment, diagnosis, and prevention of cancer. 800-4-CANCER.

21. Chemical Transportation Emergency Center (CHEMTREC). Provides assistance to chemical shippers, handlers, and emergency responders in problem situations. 800-424-9300.

22. National Pesticide Telecommunications Network (NPTN). Provides information about pesticide products, poisonings, safety information, and cleanup and disposal procedures. 800-858-7378.

23. National Response Center (NRC) Support Center and Hotline. Responds to phone calls regarding accidental releases of oil and hazardous substances; calls to NRC satisfy the reporting requirements of Federal regulations such as Superfund. 800-424-8802.

24. Poison Control Centers. Answer specific questions about situations involving poisons. See Regional contacts listed on page 18.

SECTION I

INFORMATIONAL RESOURCES

Section I provides descriptions of 19 primary and secondary sources of information (e.g., clearinghouses, hotlines) sponsored by EPA as well as useful information services available through other organizations. The EPA primary information sources are easily accessed by State and local agencies and can provide information on a wide range of topics related to toxic air pollutants or health, exposure, and risk assessments. EPA secondary information sources do not deal specifically with air toxics issues but may be useful for obtaining information on related topics. For some of these sources (e.g., Chemical Assessment Desk, see page 11), State and local agencies should work with the appropriate EPA Regional Office to receive the necessary information. Five non-EPA information services are also described in Section I. These sources may provide useful information on toxic air pollutants, emergency response activities, and other related topics.

A summary of all these information sources is provided at the end of the Introduction (pg ix). This summary may be removed from the directory and posted for convenient reference. Also, each informational resource is numbered; these numbers are used in the directory's index to direct readers to resources that provide information on specific subject areas.

EPA INFORMATIONAL RESOURCES - PRIMARY SOURCES

1. Air Risk Information Support Center (Air RISC)

   Office of Air Quality Planning and Standards (MD-13)
   U.S. EPA
   Research Triangle Park, NC 27711

Office of Health and Environmental Assessment (RD-689)
U.S. EPA
Washington, DC 20460

Environmental Criteria and Assessment Office (MD-52)
U.S. EPA
Research Triangle Park, NC 27711
and
Cincinnati, OH 45268

Center for Environmental Research Information
U.S. EPA
26 W. Martin Luther King Street
Cincinnati, OH 45268

Air RISC Hotline
919-541-0888
FTS 629-0888
Monday through Thursday, 8:00 a.m. to 5:00 p.m., EST
Friday, 8:00 a.m. to 4:00 p.m., EST

Many State and local agencies are developing or have implemented programs to control toxic air pollutants. As part of many of these programs, health risks resulting from exposure to toxic air pollutants are assessed. Agencies are faced with the evaluation of many pollutants and source types with a wide array of methods available for evaluating public exposures and risks. Information may be difficult to find quickly and may be ambiguous or difficult to interpret.

The Air Risk Information Support Center (Air RISC) provides, in a timely fashion, technical assistance and information relative to health, exposure, and risk assessments for toxic air pollutants. The Air RISC is operated by EPA's Office of Air Quality Planning and Standards (OAQPS), Office of Health and Environmental Assessment (OHEA), and Center for Environmental Research Information (CERI).

The EPA has worked with the State and Territorial Air Pollution Program Administrators (STAPPA), the Association of Local Air Pollution Control Officials (ALAPCO), and EPA Regional Offices in the design and development of the Air RISC to ensure that the Center will be useful for State and local agencies as well as EPA Regional Offices. The primary goal of Air RISC is to provide health, exposure, and risk information for State and local air pollution control agencies and EPA Regional Offices and, where needed, assist in

reviewing and interpreting that data. The Air RISC provides three levels of assistance:

- Hotline. The Air RISC Hotline puts agencies and offices in direct contact with a variety of experts. The Hotline is designed to provide an initial, quick response based on available data and expertise.

- Detailed technical assistance. When more in-depth evaluations or information are needed than appropriate for a quick response, such requests may be phoned in to the Hotline. The requests will be considered according to available time and resources. Examples of detailed technical assistance include review and interpretation of toxicological information; and review of site-specific exposure assessments, risk assessments, or both.

- General technical guidance. The Air RISC also provides general guidance on health, exposure, and risk assessment issues that have broad national interest, such as guidance documents discussing methodologies available for evaluating multi-pollutant exposures or risk assessment techniques. General technical guidance may be provided in the form of documents, videotapes, or workshops.

The Air RISC also provides a feedback mechanism for State and local air agencies to identify to EPA the technical support needs of their agencies in the areas of health, exposure, and risk assessment. Policy guidance and risk management advice, however, are outside the scope of the Air RISC.

2. Control Technology Center (CTC)

Office of Air Quality Planning and Standards
U.S. EPA
Research Triangle Park, NC 27711

Air and Energy Engineering Research Laboratory
U.S. EPA
Research Triangle Park, NC 27711

Center for Environmental Research Information
U.S. EPA
Cincinnati, OH 45268

Control Technology Center (CTC) Hotline
919-541-0800
FTS 629-0800
Monday through Friday, 8:00 a.m. to 5:00 p.m., EST
(Telephone answering machine operates after 5:00 p.m., EST)

The Control Technology Center (CTC) supports State and local agencies and EPA Regional Offices in implementing air pollution programs for both toxic and criteria air pollutants by providing engineering guidance and support on air pollution control technology. The CTC can provide three levels of assistance:

- Hotline. The Hotline provides initial, rapid responses to questions and problems based on available information and expertise.

- Engineering assistance. More in-depth engineering assistance than what the Hotline can provide, or, if necessary, on-site support, is also available. The CTC can assist in:

  - evaluation of source emissions,
  - identification of control alternatives,
  - development of control costs,
  - identification of pollution impacts of control technologies,
  - source testing methods and problems,
  - advice on permit conditions, and
  - expert testimony in support of State or local regulatory actions.

- Technical guidance. The CTC also provides formal control technology guidance and information transfer through control technology documents, personal computer software, and seminars and workshops.

3. Emergency Planning and Community Right-to-Know Information Hotline

SARA Title III Hotline
Office of Solid Waste and Emergency Response (OS-120)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
1-800-535-0202
202-479-2449
Monday through Friday, 8:30 a.m. to 7:30 p.m., EST

The Superfund Amendments and Reauthorization Act (SARA) Title III Hotline is operated under the guidance of the Office of Solid Waste and Emergency Response. The Hotline can answer questions from manufacturers, government agencies, and the general public regarding the Emergency Planning and Community Right-to-Know Act (SARA Title III). SARA Title III establishes requirements for Federal, State, and local governments and industry regarding emergency planning and community right-to-know reporting on hazardous and toxic chemicals.

There are four major parts to Title III: emergency response planning (Sections 301 to 303); emergency notification (Section 304); community right-to-know (Sections 311, 312); and toxic chemical release reporting (Section 313). Hotline specialists can answer questions and requests concerning all four sections of Title III.

4. Integrated Risk Information System (IRIS)

IRIS User Support
Environmental Criteria and Assessment Office
U.S. EPA
26 W. Martin Luther King Drive
Cincinnati, OH 45268
513-569-7254
FTS 684-7254

State and local agencies, to obtain an IRIS account, contact:

DIALCOM, Inc.
Mike McLaughlin
600 Maryland Avenue, S.W.
Washington, DC 20024
202-488-0550

The Integrated Risk Information System (IRIS), administered by EPA's Office of Health and Environmental Assessment, is an on-line data base that may be accessed via EPA's electronic mail (E-Mail) system (available through DIALCOM, Inc.). The information contained in IRIS is divided into two major components: (1) chemical-specific toxicity and regulatory information, and (2) documentation providing instruction and explanation in support of the system and the chemical files. Each chemical file consists of up to five parts:

- verified reference doses based on noncancer health effects data associated with chronic exposures
- verified risk estimates for carcinogenicity
- drinking water health advisories
- EPA regulations summaries
- supplementary data

Chemicals are primarily selected for inclusion in IRIS by EPA program offices (e.g., hazardous, waste, air, pesticides) based upon their needs. Reference dose and cancer risk assessment information on chemicals is included in IRIS only after consensus agreement by an inter-disciplinary scientific panel of EPA risk assessment experts based on a comprehensive review of available chronic toxicity data.

The data base is searchable by chemical name or Chemical Abstract Services (CAS) number. Over 260 chemicals are represented. There are 150 EPA-sponsored electronic mail accounts in 47 states providing access to IRIS. If access to one of these accounts is not available, a user must pay DIALCOM, Inc. for the cost of accessing IRIS. There is a $25.00 monthly minimum which is applied against a usage fee of $25.00 per hour. In addition to the usage fee, there is a $.05 charge per computer screen accessed.

5. National Air Toxics Information Clearinghouse (NATICH)

National Air Toxics Information Clearinghouse
Pollutant Assessment Branch
Office of Air Quality Planning and Standards (MD-13)
U.S. EPA
Research Triangle Park, NC 27711
919-541-0850
FTS 629-0850
Monday through Friday, 7:30 a.m. to 5:00 p.m., EST

The National Air Toxics Information Clearinghouse assists Federal, State, and local agencies in exchanging information about air toxics and the development of air toxics programs. The Clearinghouse was established in 1983 by the EPA Office of Air Quality Planning and Standards in close coordination with the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Officials (ALAPCO). It is administered by the Pollutant Assessment Branch of EPA's Office of Air Quality Planning and Standards.

Clearinghouse information is distributed in five ways:

- bimonthly newsletters containing information on Federal, State, and local air toxics programs and activities, research, agency case histories, etc.,*
- special reports on specific air toxics issues,*
- computerized data base, NATICH, available at a cost of about $10-$15 per on-line hour of work,
- hardcopy reports of data contained in the data base issued on a regular schedule, and
- response to requests for specific information.*

The core of the Clearinghouse is the NATICH data base which contains all of the information collected from Federal, State and local agencies. This information is generally organized according to agency, pollutant, and emission source. State and local agency information includes regulatory program descriptions and contacts; permitting data; acceptable ambient concentrations; ambient air monitoring information; source test data; emissions inventory data; research and methods development information; and bibliographic and ongoing project citations.

Selected preliminary EPA risk assessment results related to air toxics are also included in NATICH. Research information is presented in two categories: 1) descriptions of ongoing research and regulatory development projects; and 2) bibliographic citations/abstracts for published documents.

The NATICH data base resides on EPA's IBM mainframe computer and can be accessed using an agency microcomputer or minicomputer, a modem, and a VT 100 ANSI full screen emulator package. The data base is menu-driven, that is, the user can ask questions of the data base and receive answers via the computer terminal. State and local personnel may also enter and edit data in the Clearinghouse for their agencies.

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*Available at no charge to governments agencies.

To obtain on-line access to the NATICH data base, State and local agencies should contact the appropriate EPA Regional air toxics contact listed on page 53 of this report or the Clearinghouse staff at 919-541-0850, FTS 629-0850. To obtain copies of Clearinghouse reports or to be placed on the mailing list for future publications, also contact the Clearinghouse staff at the number listed above.

6. Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hotline

RCRA/CERCLA Hotline
c/o Geo/Resource Consultants, Inc.
401 M. Street, S.W.
Washington, DC 20460
1-800-424-9346 or 202-382-3000
Monday through Friday, 8:30 a.m. to 7:30 p.m., EST

The Resource Conservation and Recovery Act (RCRA)/ Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Hotline has been in operation since 1980. It is operated under the guidance of the U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response. The primary function of the RCRA/CERCLA Hotline is to assist the public and regulated community in understanding EPA regulations and policy under the RCRA/CERCLA (Superfund) and Underground Storage Tank (UST) programs. Hotline specialists answer regulatory and technical questions, and can respond to requests for documents on virtually all aspects of the RCRA, CERCLA, and UST programs. Federal, State, and local governments; regulated communities; people involved in managing and cleaning up hazardous waste; and the general public may contact the RCRA/CERCLA Hotline for information.

7. Toxic Chemical Release Inventory Data Base (TRI)

U.S. EPA
Office of Toxic Substances/Information Management Division (TS-793)
401 M. Street, S.W.
Washington, DC 20460

Title III, Section 313 of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also known as the Emergency Planning and Community Right-to-Know law requires the Environmental Protection Agency (EPA) to establish a toxic release inventory and to make the toxics emissions data available to the public

through a National Toxic Chemical Release Inventory (TRI) data base. The TRI data base became available on September 1, 1988 and, at that time, user accounts were established for each of the EPA Regions and timeshare dollars were made available to permit the Regions and the States to access the TRI data.

Persons in EPA Regional Offices or States who desire access to the TRI data base should contact the Regional TRI Account Manager listed below for a user i.d. and instructions on how to access the data base. For other information on access to the TRI data base call Carolyn Thornton at (202) 475-8620; (FTS) 475-4620. For other information about the TRI data call the Emergency Planning and Community Right-to-Know Information Hotline (see page 4).

TRI DATA BASE REGIONAL ACCOUNT MANAGERS

Region I	Boston	Mike MacDougall	617-565-3377
Region II	New York	Bob Messina	913-236-2806
Region III	Philadelphia	Wendy Bartel	215-597-2532
Region IV	Atlanta	Jesse Dooley	404-347-2316
Region V	Chicago	Stan Hutchens	312-353-0623
Region VI	Dallas	Dave White	214-655-6540
Region VII	Kansas City	Dale Parke	913-236-2827
Region VIII	Denver	Diane Groh	303-293-1730
Region IX	San Francisco	Sandy Kelly	415-974-7733
Region X	Seattle	Gus Panlier	206-442-2988
Headquarters	Washington, DC	Joann Afelbil	202-475-8680

8. Toxic Substances Control Act (TSCA) Assistance Information Service

TSCA Assistance Information Service
Office of Toxic Substances (TS-799)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-554-1404
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST

The Toxic Substances Control Act (TSCA) Assistance Information Service is administered by the Office of Toxic Substances. It provides information on TSCA regulations to the chemical industry, labor and trade organizations, environmental groups, and the general public. The TSCA Assistance Information Service can direct inquiries to the appropriate EPA personnel and handle requests for certain publications related to management of toxic substances.

EPA INFORMATIONAL RESOURCES - SECONDARY SOURCES

9. Asbestos Hotline

Office of Toxic Substances (TS-799)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
1-800-835-6700 or 202-554-1404
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST

The Asbestos Hotline provides technical information concerning asbestos abatement problems. The Hotline's information specialists answer questions from the general public, government agencies, and the regulated industry. The Hotline receives many inquiries from both private and public school administrators about regulations concerning asbestos in schools, compliance with regulations, and funding sources for asbestos removal or encapsulation.

10. Best Available Control Technology (BACT)/Lowest Achievable Emission Rate (LAER) Clearinghouse

Emission Standards Division
Office of Air Quality Planning and Standards (MD-13)
U.S. EPA
Research Triangle Park, NC 27711
919-541-5432
FTS 629-5432
Monday through Friday, 8:00 a.m. to 4:30 p.m., EST

The Best Available Control Technology (BACT)/Lowest Achievable Emission Rate (LAER) Clearinghouse assists Federal, State, and local agencies in exchanging information about BACT and LAER determinations as established under the Clean Air Act. This Clearinghouse was established in 1979 and is a cooperative effort between EPA and the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Organizations (ALAPCO).

BACT/LAER information is distributed in five ways:

- semiannual newsletters containing information on the status and use of the Clearinghouse as well as "helpful hints,"
- special reports on BACT/LAER determinations,
- a computerized data base, the BACT/LAER Information System (BLIS),
- hard copies of the data contained in the data base, issued on an as needed basis, and
- responses to State and local agency requests for specific information.

The core of the Clearinghouse is the BACT/LAER Information System (BLIS). This data base contains information on BACT and LAER determinations including source (plant) descriptions (location, product(s) and production rates), permitting agency, permitted units within the plant, air pollutant limits, conditions of plant operations, and a contact name and telephone number to obtain more information.

The BLIS resides on EPA's IBM mainframe computer and can be accessed using a personal computer, modem, and communications software. The user can request lists of information based on specific characteristics, for example, of all BACT determinations for sulfuric acid plants. In addition to viewing data contained in BLIS, State and local agencies may directly enter data on BACT/LAER determinations completed by their agencies.

11. Chemical Assessment Desk

Office of Toxic Substances (TS-778)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-3483
FTS 382-3483

The Chemical Assessment Desk is administered by the Office of Toxic Substances (OTS) as an outreach service to other EPA Offices (both headquarters and Regional). The Desk offers technical consultation and information on chemical risk-related issues under the OTS Existing Chemicals Program. The Desk also provides estimates of chemical toxicity and environmental fate based on structure-activity relationships in the absence of experimental data, assists

in identifying related risk assessment activities in other EPA program offices and other Federal agencies, and provides comments on technical aspects of non-OTS evaluations and risk assessments. For State and local agencies, the Chemical Assessment Desk operates through Regional coordinators as follows:

• Region 1	Boston	Suzanne Parrot	617-565-3704
• Region 2	New York	Diane Buxbaum	201-321-6893
• Region 3	Philadelphia	Diane McCreary	215-597-7904
• Region 4	Atlanta	Gayle Alston	404-347-4216
• Region 5	Chicago	Phyllis Reed	312-886-6006
• Region 6	Dallas	Gerald Carney	214-655-7244
• Region 7	Kansas City	Bob Fennemore	913-236-2970
• Region 8	Denver	Dianne Groh	303-293-1730
• Region 9	San Francisco	Kathleen Goforth	415-974-7280
• Region 10	Seattle	Mike Watson	206-442-1072

12. Fuel and Fuel Additive Registration Program

Field Operations and Support Division
Office of Mobile Sources (EN-397F)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-475-8001
FTS 475-8001
Monday through Friday, 7:00 a.m. to 4:00 p.m., EST

The Fuel and Fuel Additive Registration Program is administered by the Field Operation and Support Division of the Office of Mobile Services. The program can respond to questions from governmental agencies and industries regarding the description and registration of fuels and fuel additives. Names and addresses of fuel and/or fuel additive manufacturers are also available, upon request.

13. Information Referral System (INFOTERRA)

INFOTERRA
U.S. National Focal Point (PM-211A)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-5917
FTS 382-5917

The Information Referral System (INFOTERRA) is a global information system operating in 126 countries linking national and international institutions and experts in a cooperative venture to improve the quality of environmental decision-making. The overall purpose of INFOTERRA is to ensure that, in making important decisions in relation to the environment, governments and others will have access to the latest scientific and technical data and expertise. INFOTERRA neither stores information nor answers substantive questions; its task is simply to enable the potential user of environmental information to locate the most appropriate source of the information required.

14. Motor Vehicle Anti-Tampering Program

Office of Mobile Sources (EN-397F)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-2640
FTS 382-2640
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

The Motor Vehicle Anti-Tampering Program is administered by the Field Operations and Support Division of the Office of Mobile Sources. The program provides the public (especially gas station and garage owners, and the oil and gas industry) with information pertaining to enforcement of tampering regulations (developed under Section 203 of the Clean Air Act) in the form of pamphlets and public documents, as well as information over the phone. The following activities are conducted under the auspices of the Motor Vehicle Anti-Tampering Program:

- audits of oil companies for lead levels in gasoline,
- inspections of gas stations and garages regarding compliance with tampering regulations, and
- coordination of State and local inspection programs.

Staff can answer questions concerning regulations, gasoline additives and emissions standards. They also can respond to catalytic converter warranty inquiries.

15. Public Information Center (PIC)

Public Information Center (PM-211B)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-2080
FTS 382-2080
Monday through Friday, 8:00 a.m. to 5:30 p.m., EST

The Public Information Center (PIC) answers inquiries from the public about EPA programs and activities. PIC also offers a variety of nontechnical information materials. This public service is operated by the Office of Information Resource Management.

16. Risk Communication Hotline

Office of Policy, Planning, and Evaluation
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-5500
FTS 382-5500
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

The Risk Communication Hotline serves EPA Regions and program offices. It is an up-to-date resource for information on risk communication, research, skill building, implementation, and evaluation. The primary purpose of this hotline is to provide support to EPA Regional Offices and Headquarters; however, the Hotline staff will provide assistance to State and local agencies as time and resources permit. State and local agencies should first contact their Regional Offices with risk communication questions and concerns. The Risk Communication Hotline was established in 1987 and is operated under the Office of Policy, Planning, and Evaluation.

17. Safe Drinking Water Hotline

Safe Drinking Water Hotline
c/o Geo/Resource Consultants, Inc.
Waterside Mall
401 M. Street, S.W.
Washington, DC 20024
1-800-426-4791
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

The Safe Drinking Water Hotline, established in 1987, answers questions regarding the Safe Drinking Water Act of 1974 (SDWA), the SDWA Amendments of 1986, and EPA drinking water programs (including public water supply). The Hotline is targeted at a broad audience ranging from regulatory agencies to the general public. In addition to responding to questions on regulations, the Hotline can provide a list of Office of Drinking Water publications (available through the National Technical Information Service for a fee) and copies of related Federal Register notices, and can add interested persons to the National Pesticides Survey mailing list to receive monthly updates on that program.

18. Small Business Hotline

Office of the Administrator (A-149C)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
1-800-368-5888; 703-557-1938
Monday through Friday, 7:00 a.m. to 5:00 p.m., EST
(Note: After 5:00 p.m. EST, an answering machine will allow you to leave a message. Calls will be returned on the next business day.)

This Hotline assists small businesses in complying with environmental laws including EPA regulations. The Hotline acts as a liaison with Agency program offices, and investigates questions regarding EPA requirements. The Hotline also ensures that EPA considers small business issues during its normal regulatory activities. A handbook for small business describing the environmental regulations and operations of EPA is available upon request.

19. U.S. Environmental Protection Agency - Library Services

Library Services Office (MD-35)
U.S. EPA
Research Triangle Park, NC 27711
919-541-2777
FTS 629-2777
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

Twenty-eight (28) network libraries located in EPA Headquarters and all Regional Offices and laboratories support the Agency and can provide information to State and local air pollution control agencies. Contacts for the EPA Regional libraries are listed in Section III on page 58.

The Research Triangle Park (RTP) Library provides support to EPA offices in the RTP area, including the Office of Air Quality Planning and Standards (OAQPS), the Environmental Research Center, and the Environmental Criteria and Assessment Office. Collection concentration is on chemical toxicity, all aspects of air pollution, as well as the basic sciences, with some coverage of business and economics. The collection's historical coverage of air pollution is particularly strong.

The RTP Library operates an Air Information Center (AIC) for the OAQPS. This Center handles requests for air pollution information and documents. The AIC provides free literature searches for State and local air pollution agencies and environmental groups as well.

NON-EPA INFORMATIONAL RESOURCES

20. Cancer Information Service

The Cancer Information Service
1-800-4-CANCER (1-800-422-6237)
Monday through Friday, 6:00 a.m. to 10:00 p.m.
Saturday, 10:00 a.m. to 6:00 p.m.

This Hotline is a service of the National Cancer Institute (NCI). All phone calls are automatically routed to the nearest regional NCI office. A national office in Maryland answers calls after normal business hours (9:00 a.m. to 4:30 p.m. local time) and on Saturdays. This Hotline can answer general questions about the relationship of indoor air pollution and cancer; however, more specific questions about air toxics are referred to other agencies (e.g., EPA, NIOSH). Callers can also receive information about treatment, diagnosis, and prevention of cancer from this Hotline, as well as literature and listings of local resources (including home health care, hospitals, and support groups).

21. Chemical Transportation Emergency Center (CHEMTREC)

1-800-424-9300
24 hours a day, 365 days a year.

The Chemical Transportation Emergency Center (CHEMTREC) is operated by the Chemical Manufacturers Association (CMA). It provides advice and assistance to chemical shippers, handlers, and emergency responders in problem situations. The CHEMTREC maintains files on over 250,000 proprietary chemicals. During

emergencies, CHEMTREC can provide information regarding the effects of most chemicals on people and the environment and can suggest methods for treatment, containment, and control of an incident. The CHEMTREC also maintains a directory of experts and industry teams that can assist in an emergency.

22. National Pesticide Telecommunications Network (NPTN)

Texas Tech University Health Sciences Center
School of Medicine
Department of Preventive Medicine and Community Health
Lubbock, Texas 79430
1-800-858-7378 (858-P-E-S-T)
24 hours a day, 365 days a year

The National Pesticides Telecommunications Network Hotline (NPTN) provides information about pesticides to the medical, veterinary, and professional communities. The NPTN also serves the public as a clearinghouse for information on pesticides. This includes providing impartial information on pesticide products, recognition and management of pesticide poisonings, toxicology and symptomatic reviews, safety information, and cleanup and disposal procedures. Referrals for laboratory analyses, investigation of pesticide incidents, and emergency treatment are also provided. The Hotline is staffed by pesticide specialists with agricultural, environmental, and public health backgrounds at Texas Tech University's Health Sciences Center School of Medicine. These individuals are also prepared to deal with emergency situations with respect to pesticide spills or exposure.

23. National Response Center (NRC) Support Center and Hotline

U.S. Coast Guard Headquarters
Washington, DC 20593-0001
National Toll-Free 1-800-424-8802
Washington, DC, Metro 202-267-2675
24 hours a day, 365 days a year

The National Response Center (NRC) is a report processing and coordination center that responds to all kinds of accidental releases of oil and hazardous substances. The NRC was established in 1974 and is staffed by the U.S. Coast Guard. The following incidents may be reported to the NRC's Hotline:

- oil spills,
- hazardous chemical releases,
- pipeline accidents,
- transportation accidents involving hazardous materials or oil,
- releases of radioactive material, and
- releases of etiological or hazardous biological material.

A telephone call to the NRC regarding any of the above incidents satisfies the reporting requirements of Superfund, Federal Water Pollution Control Act, and Department of Transportation regulations.
The NRC also maintains several data bases, including the Oil and Hazardous Materials Technical Assistance Data System (OHM-TADS) which contains chemical, biological, and toxicological information on more than 1,300 substances.

24. Poison Control Centers

24 hours a day, 7 days a week

These centers answer specific questions about situations involving poisons. While most calls received involve questions regarding children, a significant number of calls involve adults exposed to some form of toxic substance. These Centers provide medical treatment guidance and can answer general questions about air toxics, including paint fumes and pesticides. Regional poison control centers service many areas throughout the United States.

Alabama Poison Center
205-345-0600
800-462-0800 (AL only)

Arizona Poison Control System
602-626-7899
602-626-6016 (Tucson)
602-253-3334 (Phoenix)
800-362-0101 (AZ only)

Central Ohio Poison Center
614-461-2012
614-228-1323
800-672-7625 (OH only)

Blodgett Regional Poison Center
616-774-7854
800-442-4571 (616 area code only)

Cardinal Glennon Children's
Hospital Regional Poison Center
314-772-8300
314-772-5200
800-392-9111 (MO only)

Maryland Poison Center
301-528-7606
301-528-7701
800-492-2414 (MD only)

Duke University Poison Control Center
919-684-4438
919-684-8111
800-672-1697 (NC only)

Georgia Poison Control Center
404-589-4400
800-282-5846 (GA only)
404-525-3323 (TTY)

Hennepin Regional Poison Center (Minnesota)
612-347-3144
612-347-3141
612-347-6219 (TTY)

Intermountain Regional Poison Control Center
801-581-7504
801-581-2151
800-662-0062 (UT only)

Kentucky Regional Poison Center of Kosair Children's Hospital
502-562-7263
502-589-8222
800-722-5725 (KY only) (TDD)

Long Island Regional Poison Control Center
516-542-3707
516-542-2323

Los Angeles County Medical Association Regional Poison Control Center
213-664-1212
213-484-5151

Louisiana Regional Poison Control Center
318-674-6364
318-425-1524
800-535-0525 (LA only)

Massachusetts Poison Control System
617-735-6607
617-232-2120
800-492-2414 (MD only)

Michigan Poison Control Center
313-745-5329
313-745-5711
800-462-6642 (313 area code only)
800-572-1655 (remainder of MI)

Mid-Plains Poison Center
402-390-5434
402-390-5400
800-642-9999 (NE only)
800-228-9515 (surrounding states)

Minnesota Regional Poison
313-745-5329
313-745-5711
800-462-6642 (313 area code only)
800-572-1655 (remainder of MI)

National Capital Poison Center
202-625-6073
202-625-3333

New Jersey Poison Information and Education System
201-926-7443
201-923-0764
800-432-6866 (NM only)

New Mexico Poison and Drug Information Center
505-277-4261
505-843-2551
800-432-6866 (NM only)

New York City Poison Control Center
212-340-4497
212-340-4494

North Central Texas Poison Center
214-920-2586
214-920-2400
800-441-0040 (TX only)

Oregon Poison Control and Drug Information Center
503-225-7799
503-225-8968 (Portland, OR)
800-452-7165 (OR only)

Pittsburgh Poison Center
412-647-5600
412-681-6669

Rhode Island Poison Center
401-277-5906
401-277-5727
401-277-8062 (TTD)

Rocky Mountain Poison Center
303-893-7774
303-629-1123
800-332-3073 (CO only)
800-525-5042 (MT only)
800-442-2702 (WY only)

San Diego Regional Poison Center
619-294-3666
619-294-6000

San Francisco Bay Area Regional Poison Control Center
415-821-8324
415-476-6600

Southwest Ohio Regional Poison Control System
513-872-5111
800-872-5111

Tampa Bay Regional Poison Control Center
813-251-6911
813-253-4444
800-282-3171

Texas State Poison Center
409-761-3332
409-765-1420
713-654-1701 (Houston)
516-478-4490 (Austin)
800-392-8548 (TX only)

UCDMC Regional Poison Control Center
916-453-3414
916-453-3692

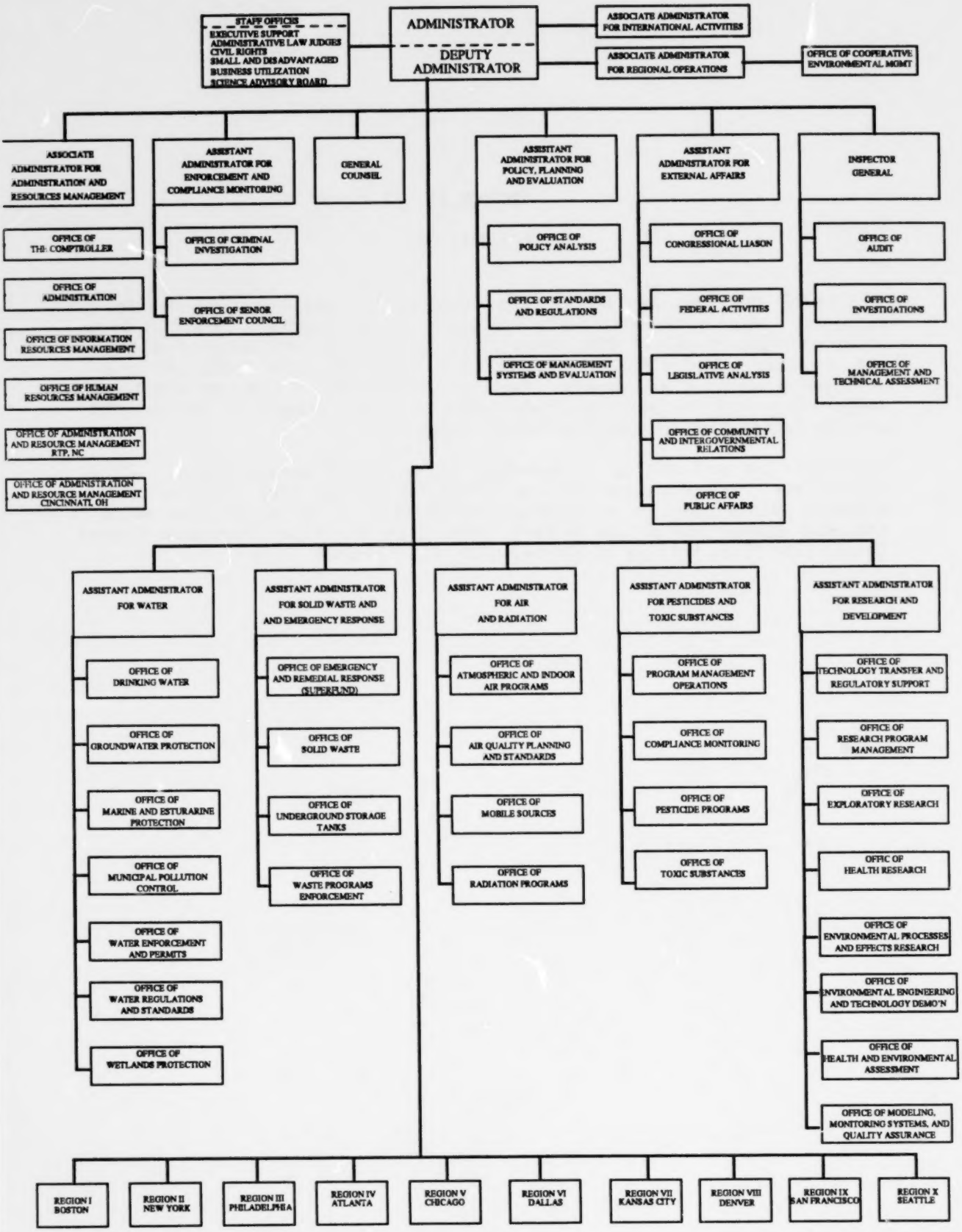
West Virginia Poison Center
304-347-1212
304-348-4211
800-642-3625 (WV only)

SECTION II

EPA OFFICES

Section II describes key EPA offices involved in some aspect of health, exposure, and/or risk assessments for toxic air pollutants. This list by no means encompasses all of EPA; the offices listed have been selected as having the greatest capabilities in responding to questions from State and local agencies evaluating air toxics. Each of the offices is numbered and these numbers are used in the directory's index to direct readers to offices that provide information on specific subject areas.

Addresses for each office are provided along with telephone numbers, where appropriate. Telephone numbers are listed for offices that could be called directly with a question on toxic air pollutants. If it is not clear which is the most appropriate office to call, contact the Air Risk Information Support Center (Air RISC) Hotline at 919-541-0888; FTS 629-0888.


STAFF OFFICES
EXECUTIVE SUPPORT
ADMINISTRATIVE LAW JUDGES
CIVIL RIGHTS
SMALL AND DISADVANTAGED BUSINESS UTILIZATION
SCIENCE ADVISORY BOARD
ADMINISTRATOR
DEPUTY ADMINISTRATOR
ASSOCIATE ADMINISTRATOR FOR INTERNATIONAL ACTIVITIES
ASSOCIATE ADMINISTRATOR FOR REGIONAL OPERATIONS
OFFICE OF COOPERATIVE ENVIRONMENTAL MGMT
ASSOCIATE ADMINISTRATOR FOR ADMINISTRATION AND RESOURCES MANAGEMENT
ASSISTANT ADMINISTRATOR FOR ENFORCEMENT AND COMPLIANCE MONITORING
GENERAL COUNSEL
ASSISTANT ADMINISTRATOR FOR POLICY, PLANNING AND EVALUATION
ASSISTANT ADMINISTRATOR FOR EXTERNAL AFFAIRS
INSPECTOR GENERAL
OFFICE OF THE COMPTROLLER
OFFICE OF ADMINISTRATION
OFFICE OF INFORMATION RESOURCES MANAGEMENT
OFFICE OF HUMAN RESOURCES MANAGEMENT
OFFICE OF ADMINISTRATION AND RESOURCE MANAGEMENT RTP, NC
OFFICE OF ADMINISTRATION AND RESOURCE MANAGEMENT CINCINNATI, OH
OFFICE OF CRIMINAL INVESTIGATION
OFFICE OF SENIOR ENFORCEMENT COUNCIL
OFFICE OF POLICY ANALYSIS
OFFICE OF STANDARDS AND REGULATIONS
OFFICE OF MANAGEMENT SYSTEMS AND EVALUATION
OFFICE OF CONGRESSIONAL LIASON
OFFICE OF FEDERAL ACTIVITIES
OFFICE OF LEGISLATIVE ANALYSIS
OFFICE OF COMMUNITY AND INTERGOVERNMENTAL RELATIONS
OFFICE OF PUBLIC AFFAIRS
OFFICE OF AUDIT
OFFICE OF INVESTIGATIONS
OFFICE OF MANAGEMENT AND TECHNICAL ASSESSMENT
ASSISTANT ADMINISTRATOR FOR WATER
ASSISTANT ADMINISTRATOR FOR SOLID WASTE AND AND EMERGENCY RESPONSE
ASSISTANT ADMINISTRATOR FOR AIR AND RADIATION
ASSISTANT ADMINISTRATOR FOR PESTICIDES AND TOXIC SUBSTANCES
ASSISTANT ADMINISTRATOR FOR RESEARCH AND DEVELOPMENT
OFFICE OF DRINKING WATER
OFFICE OF GROUNDWATER PROTECTION
OFFICE OF MARINE AND ESTUARINE PROTECTION
OFFICE OF MUNICIPAL POLLUTION CONTROL
OFFICE OF WATER ENFORCEMENT AND PERMITS
OFFICE OF WATER REGULATIONS AND STANDARDS
OFFICE OF WETLANDS PROTECTION
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE (SUPERFUND)
OFFICE OF SOLID WASTE
OFFICE OF UNDERGROUND STORAGE TANKS
OFFICE OF WASTE PROGRAMS ENFORCEMENT
OFFICE OF ATMOSPHERIC AND INDOOR AIR PROGRAMS
OFFICE OF AIR QUALITY PLANNING AND STANDARDS
OFFICE OF MOBILE SOURCES
OFFICE OF RADIATION PROGRAMS
OFFICE OF PROGRAM MANAGEMENT OPERATIONS
OFFICE OF COMPLIANCE MONITORING
OFFICE OF PESTICIDE PROGRAMS
OFFICE OF TOXIC SUBSTANCES
OFFICE OF TECHNOLOGY TRANSFER AND REGULATORY SUPPORT
OFFICE OF RESEARCH PROGRAM MANAGEMENT
OFFICE OF EXPLORATORY RESEARCH
OFFIC OF HEALTH RESEARCH
OFFICE OF ENVIRONMENTAL PROCESSES AND EFFECTS RESEARCH
OFFICE OF ENVIRONMENTAL ENGINEERING AND TECHNOLOGY DEMO'N
OFFICE OF HEALTH AND ENVIRONMENTAL ASSESSMENT
OFFICE OF MODELING, MONITORING SYSTEMS, AND QUALITY ASSURANCE
REGION I BOSTON
REGION II NEW YORK
REGION III PHILADELPHIA
REGION IV ATLANTA
REGION V CHICAGO
REGION VI DALLAS
REGION VII KANSAS CITY
REGION VIII DENVER
REGION IX SAN FRANCISCO
REGION X SEATTLE

OFFICE OF AIR AND RADIATION (OAR)

25. Office of Atmospheric and Indoor Air Programs (OAIAP)

U.S. EPA
ANR-445
401 M. Street, S.W.
Washington, DC 20460
202-382-7407
FTS 382-7407

The Office of Atmospheric and Indoor Air Programs (OAIAP) manages emerging programs of cross-cutting nature in areas of air and radiation, i.e., stratospheric ozone depletion, global warming, indoor air pollution, and acid rain deposition. The OAIAP serves as principal program advisor to the Assistant Administrator on issues associated with these four program areas, develops programs for the Assistant Administrator, and then administers that strategy.

The Office develops, formulates, and carries out both short-and long-range studies to provide a basis for policy decisions and a structure to implement them.

The OAIAP works closely with the Office of External Affairs and serves as the principal source of contact and technical assistance relative to the four program areas. This office also administers and monitors grants and contracts relative to these program initiatives.

25.1 Emerging Programs Staff

U.S. EPA
ANR-445
401 M. Street, S.W.
Washington, DC 20460
202-475-9400
FTS 475-9400

The Emerging Programs Staff addresses emerging issues outside traditional ambient and new source control programs. Currently, the focus is on acid deposition and related regional air pollutants.

25.2 Global Change Division

U.S. EPA
ANR-445
401 M. Street, S.W.
Washington, DC 20460
202-382-7750
FTS 382-7750

The Global Change Division focuses on global atmospheric issues such as chlorofluorocarbons, stratospheric ozone depletion, and global warming.

25.3 Indoor Air Division

U.S. EPA
ANR-445
401 M. Street, S.W.
Washington, DC 20460
202-475-8470
FTS 475-8470

The Indoor Air Division focuses on indoor air pollution issues.

26. Office of Air Quality Planning and Standards (OAQPS)

U.S. EPA
MD-10
Research Triangle Park, NC 27711

The OAQPS supplies EPA headquarters and State and Regional Offices with technical and regulatory information concerning air quality standards. Working primarily with the Clean Air Act, OAQPS develops national standards for air quality and assesses progress in achieving air quality goals. Emissions standards for new stationary sources and hazardous air pollutants, as well as technical policies, guidelines, and criteria for air pollution control and enforcement are developed. The OAQPS develops and maintains a national air programs data system that includes air quality emissions and other technical data.

The OAQPS assists State and local air pollution control agencies, EPA Regional Offices, industry, and other organizations by providing personnel training activities through the Air Pollution Training Institute and specialty workshops and technical direction regarding all aspects of air pollution control. The OAQPS evaluates Regional programs with respect to State implementation plans

and strategies, as well as resource needs and allocations for air-related programs.

26.1 Technical Support Division (TSD)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5536
FTS 629-5536

The Technical Support Division is responsible for the following functions:

- Providing detailed analysis and evaluation of air quality, source emissions, and related engineering data.
- Developing methodology for the determination of significant trends leading to the attainment or nonattainment of air quality standards and preparing reports pertaining to national, State, and Regional trends.
- Developing, operating, and maintaining a national data bank for the collection and distribution of air quality and emissions data.
- Evaluating air pollution control strategies as to attainment of air quality standards through the use of simulation models.
- Conducting emission tests in support of Federal standards development and evaluating standard test methods.

26.1.1 Monitoring and Reports Branch (MRB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5559
FTS 629-5559

The Monitoring and Reports Branch develops and issues national ambient air monitoring strategies and program plans for both criteria and noncriteria pollutants; develops emission factors and guidance; and conducts statistical analysis of ambient air quality and other environmental data.

26.1.2 Emission Measurement Branch (EMB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5559
FTS 629-5559

The Emission Measurement Branch (EMB) conducts emission tests in support of the development of emission standards; develops, improves, and evaluates emission sampling methods and equipment; and provides expertise in emission testing to other operating units. The EMB prepares, in regulatory format, methods and procedures to measure emissions in order to determine compliance with NSPS, NESHAP, and other regulations subject to Federal enforcement, and provides emission testing support to the Office of General Enforcement and the Office of Federal Activities. The EMB compiles and maintains test data of emission test results and provides guidance to the Regional offices in establishing an emission testing capability.

26.1.3 Source Receptor Analysis Branch (SRAB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5561
FTS 629-5561

The Source Receptor Analysis Branch (SRAB) selects and applies atmospheric dispersion models and other mathematical simulation techniques to estimate concentrations of hazardous pollutants and to analyze air quality impacts of emission standards. The SRAB serves as a focal point for technical applications of such models and simulation techniques to EPA Regional Offices as well as state and local agencies.

The SRAB also evaluates, improves, and validates atmospheric dispersion models, selects methods for adapting such models and techniques to particular source and pollutant applications, and provides guidelines for applying models and simulation techniques.

26.1.4 National Air Data Branch (NADB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5583
FTS 629-5583

The National Air Data Branch (NADB) develops and implements the National Aerometric Information Retrieval System (AIRS) and installs the software, where appropriate, in state and local agencies. The NADB works with EPA Regional Offices and State personnel on installing, converting, and customizing the new AIRS software for use in managing their air data activities, and provides technical guidance and expertise on air quality and emissions inventories.

The NADB also operates and maintains other national data bases which are used by EPA and State/local agencies to collect data for air pollution research and control programs. The NADB provides technical guidance, support and training relative to EPA's national systems and coordinates the submittal of national air pollution data by Regional Offices and State/local agencies to EPA. The NADB annual compiles national emissions trends estimates for publication by the EPA.

26.2 Air Quality Management Division (AQMD)

U.S. EPA
MD-15
Research Triangle Park, NC 27711
919-541-5621
FTS 629-5621

The Air Quality Management Division is responsible for the following functions:

- Developing technical policy, procedures, and guidelines for effective control programs and allocation of resources.
- Developing, periodically reviewing, and revising ambient air quality standards.
- Performing economic, energy, and environmental impact studies in support of ambient air quality standards.
- Planning, coordinating, and reviewing a comprehensive program to provide intercommunication and assistance between Regional offices and OAQPS on all matters of mutual interest and/or responsibility.

- Providing guidance in Regional program planning and outputs.
- With Regional offices, providing a continuing assessment of the development and effectiveness of control programs in achieving air quality objectives.
- Providing technical direction, support, and evaluation of Regional activities including implementation plans.

26.2.1 Non-Criteria Pollutant Programs Branch (NPPB)

U.S. EPA
MD-15
Research Triangle Park, NC 27711
919-541-5586
FTS 629-5586

The Non-Criteria Pollutant Programs Branch (NPPB) is divided into three sections. The first is the Pollutant Characterization Section, which coordinates a data collection program that develops emissions inventories and emissions factors to assist State and local air toxics control programs. The Section also conducts "urban soup studies," identifying non-criteria pollutants in urban smog. Thus, the Section can provide EPA Regional Offices and State and local air agencies with technical guidance on conducting evaluations of urban areas.

The second section, the Air Toxics Programs Section, provides support to State and local agencies in the areas of air toxics program development and enhancement. The Section provides resources to State and local agencies for the purpose of screening high risk point sources, provides guidance and support to agencies in the development of multiyear development plans, and conducts national workshops for State and local specialists on a variety of topics. Past topics have included development and implementation of air toxics programs, air toxics modeling, air toxics control technology and permitting, and hospital waste incineration.

The third section, the New Source Review Section, is concerned primarily with the portions of the Clean Air Act that deal with prevention of the significant deterioration (PSD) of air quality. This Section works with EPA Regional Offices and States to develop strategies for achieving air quality standards in nonattainment areas.

26.3 Emission Standards Division (ESD)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5572
FTS 629-5572

The Emission Standards Division is responsible for the following functions:

- Developing national emission standards for hazardous pollutants and developing national performance standards for new sources.
- Evaluating the need to regulate potential pollutants and for proposing appropriate regulatory strategies.
- Performing economic, energy, and environmental impact studies in support of national emission standards.
- Conducting comprehensive surveys and studies of stationary source categories to determine the nature and magnitude of air pollution emissions, control methods and procedures, and economic data.
- Providing technical assistance and documentation regarding emission control technology, reviews technological developments for translation into improved control procedures, and reviews standard development alternatives for compatibility with technology and regulatory authority.

26.3.1 Chemicals and Petroleum Branch (CPB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5674
FTS 629-5674

The Chemicals and Petroleum Branch (CPB) performs comprehensive analyses of emission sources and control practices within the petroleum refining, chemical manufacturing, and chemical using industries to form the bases for new source performance standards and national emission standards for hazardous air pollutants and for determining reasonably available control technology for existing sources. The Branch also prepares control techniques, technical information, and engineering documents pertaining to the control of air pollution emissions for these industries. Plant visitations, emission testing, and meetings with industrial representatives are coordinated to assure timely acquisition of data and background information. In conjunction with the

Standards Development Branch, CPB prepares information on the cost and economic impact of emission control systems and develops regulations controlling air emissions under EPA authorities.

26.3.2 Industrial Studies Branch (ISB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5596
FTS 629-5596

The Industrial Studies Branch (ISB) performs comprehensive analyses of specified stationary source emissions and emission control practices to form the bases for new source performance standards and national emission standards for hazardous air pollutants. Primarily evaluating inorganic air pollutants, ISB documents reasonably available control technology for existing sources and provides technical guidance to Regional Offices on best available control technology and the lowest achievable emission rate for specified source categories. The ISB also develops coordinated programs of plant visitations, emission testing, and meetings with industrial representatives to assure timely acquisition of data and background information. Information on the cost and economic impact of emission control systems is prepared in conjunction with the Standards Development Branch.

26.3.3 Pollutant Assessment Branch (PAB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5647
FTS 629-5647

The Pollutant Assessment Branch (PAB) conducts exposure and risk analyses for potentially toxic air pollutants, including population exposure studies, and qualitative and quantitative cancer and noncancer risk assessments. To accomplish these tasks, the PAB coordinates scientific activities with other OAQPS groups, ORD and the Science Advisory Board. The PAB also researches and develops methodologies pertaining to quantitative exposure and risk assessments.

In addition, the PAB coordinates the National Air Toxics Information Clearinghouse activities and works with the Office of Health and Environmental Assessment and the Center for Environmental Research Information in supporting the Air Risk Information Support Center.

26.3.4 Standards Development Branch (SDB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5579
FTS 629-5579

The Standards Development Branch (SDB) develops and recommends new source performance standards and national emission standards for hazardous air pollutants. Regulations are based upon determining which of the alternative levels of control evaluated will provide optimum results consistent with statutory requirements, considering health, technical feasibility, cost, and economic issues. The SDB, with technical support from the Pollutant Assessment Branch, the Chemicals and Petroleum Branch, and the Industrial Studies Branch, prepares, in proposal form, regulations and supporting documents for review. The SDB receives and evaluates all comments resulting from the publication of proposed regulations prior to developing final regulations for promulgation.

27. Office of Mobile Sources (OMS)

U.S. EPA
ANR-455
401 M. Street, S.W.
Washington, DC 20460

The Office of Mobile Sources provides information regarding mobile sources of air pollution. OMS characterizes emissions from mobile sources and associated fueling operations, and develops programs for their control, including assessment of each control technology's status and in-use vehicle emissions.

In coordination with the Office of Enforcement and Compliance Monitoring (OECM), OMS carries out a regulatory compliance program to ensure adherence to standards, and fosters the development of State motor vehicle emissions inspection and maintenance programs.

27.1 Technical Support Staff

Emission Control Technology Division
U.S. EPA
Ann Arbor, MI 48105
313-668-8374
FTS 374-8374

The Technical Support Staff is within the Emission Control Technology Division of the OMS. This group is responsible for assessing the impact of unregulated motor vehicle emissions. This work includes assuring adequate information is available for identifying and quantifying these emissions for current and new vehicle technologies. In addition, resulting ambient levels are projected for both localized scenarios heavily impacted by mobile sources and air quality control regions as a whole. These projections, thus, include short-term higher level exposures as well as long-term lower level exposures. Projections are made for total exposure during a person's lifetime allowing estimations of potential noncarcinogenic and carcinogenic risks. Some of the pollutants that have been examined to date include benzene, formaldehyde and other aldehydes, diesel particulates, metals from catalyst attrition products, and dioxin.

28. Office of Radiation Programs (ORP)

U.S. EPA
ANR-458
401 M. Street, S.W.
Washington, DC 20460
202-475-9600
FTS 475-9600

The Office of Radiation Programs (ORP) carries out EPA's radiation protection activities. These activities include measuring environmental radiation levels, analyzing data concerning radiation effects, issuing standards and guidance to limit human radiation exposures, and responding to radiological emergencies. Radiation standards set limits on human radiation exposure levels, or on quantities or concentrations of radioactive materials that may be released into air, water, or land.

The ORP provides limited technical and analytical support to State and local agencies that have environmental radiation programs. The ORP conducts radiochemical analyses; performs site surveys; and loans measuring equipment to other organizations. Working with the Federal Emergency Management Agency

(FEMA), the ORP maintains nuclear accident response capabilities and assists State and local agencies in preparing radiological emergency response plans.

The ORP also conducts various studies, such as radiation monitoring, assessment, and surveillance. The Office conducts the Radon Action Program, established to address the problem of elevated concentrations of the radioactive gas in homes across the country. Through this program, ORP assists State governments and the private sector in assessing and mitigating health risks due to indoor radon.

28.1 Bioeffects Analysis Branch

U.S. EPA
ANR-461
401 M. Street, S.W.
Washington, DC 20460
202-475-9640
FTS 475-9640

The Bioeffects Analysis Branch is within the Analysis and Support Division, Office of Radiation Programs. The Branch conducts risk assessments and models environmental pathways to determine exposure conditions for radioactive materials. In addition, the Branch provides information on dosimetry and biological effects of radiation.

28.2 Environmental Standards Branch

U.S. EPA
ANR-460
401 M. Street, S.W.
Washington, DC 20460
202-475-9610
FTS 475-9610

The Environmental Standards Branch is within the Criteria and Standards Division of the Office of Radiation Programs. The Branch develops standards for radionuclides under the Atomic Energy Act, the Clean Air Act, and other Federal authorities.

28.3 Radon Division

U.S. EPA
ANR-464
401 M. Street, S.W.
Washington, DC 20460
202-475-9605
FTS 475-9605

The Radon Division is responsible for the implementation of the EPA Radon Action Program. The goal of the Radon Action Program is to reduce the health risks of radon through a partnership with other Federal Agencies and the states. The Radon Division identities areas with high radon levels in homes and determines the national distribution of radon levels and associated risks. The Division identifies cost effective control methods and stimulates the development of state and private sector capabilities to assess and mitigate radon problems. The Division is also responsible for working with states to provide information to the public on radon.

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES (OPTS)

29. Office of Pesticide Programs (OPP)

U.S. EPA
TS-766C
401 M. Street, S.W.
Washington, DC 20460

The Office of Pesticides Program (OPP) is responsible for leadership of EPA's overall pesticide activities (under the authority of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and several provisions of the Federal Food, Drug, and Cosmetic Act), including the development of strategic plans for the control of the national environmental pesticide situation.

29.1 Hazard Evaluation Division (HED)

U.S. EPA
TS-769C
401 M. Street, S.W.
Washington, DC 20460
202-557-7695
FTS 557-7695

The Hazard Evaluation Division (HED) develops risk, hazard, and effects assessments for pesticides, and supports other divisions of OPP for decisions on registration of pesticides, registration standards, and special reviews. The HED also develops registration guidelines under FIFRA.

29.1.1 Exposure Assessment Branch (EAB)

U.S. EPA
TS-769C
401 M. Street, S.W.
Washington, DC 20460
202-557-3935
FTS 557-3935

The Exposure Assessment Branch (EAB) develops and evaluates data on the fate, movement, and effects of pesticides in the environment; and the magnitude and scope of health effects due to exposure to pesticides. The EAB also conducts field studies and reviews data submitted under FIFRA. This data includes information from the general scientific literature; and data from studies developed by other agencies.

29.1.2 Toxicology Branch (TOX)

U.S. EPA
TS-769C
401 M. Street, S.W.
Washington, DC 20460
202-557-7351
FTS 557-7351

The Toxicology Branch (TOX) evaluates and analyzes toxicological data on pesticides. The data describe carcinogenic, mutagenic, reproductive, neurotoxic, and teratogenic effects. Scientists in TOX combine this data with related exposure information to determine the risks and hazards associated with pesticide use. The TOX examines scientific data in a wide variety of documents, including registration applications, experimental use permits, State registrations under Section 24(c) of FIFRA, lab and contract report analysis, and special document reviews.

29.1.3 Science Integration and Management Staff (SIMS)

U.S. EPA
TS-769C
401 M. Street, S.W.
Washington, DC 20460
202-557-9307
FTS 557-9307

The Science Integration and Management Staff (SIMS) supports hazard assessment activities for pesticides by integrating individual (discipline-specific)

review components into an overall statement of risk. SIMS analyzes science policy issues, and recommends resolution of issues (such as inert ingredients and contaminants in pesticide formulations, and subsurface movement of pesticides). The SIMS also represents HED on EPA work groups and maintains liaisons with EPA offices having scientific review and support responsibility and with outside scientific organizations.

30. Office of Toxic Substances (OTS)

U.S. EPA
TS-792
401 M. Street, S.W.
Washington, DC 20460

The Office of Toxic Substances (OTS) is responsible for EPA activities mandated by the Toxic Substances Control Act (TSCA). Because of the broad information-gathering powers of TSCA, OTS has become an information resource to other EPA programs. The OTS is involved in information collection and data development, and communicates TSCA activities to the chemical industry, environmental groups, and the public.

Policies and procedures for coordinating Agency and Federal activities concerning toxic substances are developed by OTS. The OTS provides operational guidance to EPA Regional Offices, and reviews and evaluates toxic substances activities at both EPA headquarters and Regional levels. In addition, OTS manages toxic substances research and development under the Pesticides/Toxic Substances Research Committee.

30.1 Chemical Control Division (CCD)

U.S. EPA
TS-794
401 M. Street, S.W.
Washington, DC 20460
202-382-3749
FTS 382-3749

The Chemical Control Division (CCD) develops and implements appropriate regulatory and non-regulatory control measures for new and existing chemicals, and for new uses of chemicals found to pose unreasonable health and/or environmental effects. The Division manages the regulatory evaluation and decision-making process for selecting and implementing control measures for new

chemicals. The CCD evaluates remedial control options and establishes rules for existing chemicals under TSCA. Strategies for achieving efficient record-keeping and reconciling OTS' assessment activities with respect to new and existing chemicals are developed by the CCD.

30.2 Existing Chemical Assessment Division (ECAD)

U.S. EPA
TS-778
401 M. Street, S.W.
Washington, DC 20460
202-382-3442
FTS 382-3442

The Existing Chemical Assessment Division (ECAD) manages the Toxic Substances Control Act (TSCA) testing and existing chemical assessment programs. The Division is responsible for collecting data from the chemical industry via regulatory efforts or other means. The ECAD screens and evaluates these data on exposure, health and safety, and environmental effects, as well as allegations of adverse effects, "substantial risk" and voluntary "For Your Information" submissions. The ECAD also performs risk assessments on selected chemicals, identifies potential risk reduction actions for OTS and develops chemical advisories to inform particular groups about chemical hazards.

In addition, ECAD develops reporting and testing rules requiring the chemical industry to submit exposure-related, health and safety, and environmental effects data to enable the Division to assess potential risks in conjunction with the other OTS Divisions. The ECAD coordinates cooperative programs on existing chemicals between EPA and international organizations, and provides support to the Interagency Testing Committee and the National Toxicology Program. The Division operates EPA's Testing Priorities Committee and serves as a clearinghouse for chemical testing activities across the Agency. In addition, ECAD operates the Regional Risk Guidance Staff which provides risk assessment support to the Regions on the Superfund Amendments and Reauthorization Act (SARA) Section 313 risk-related issues and includes the Chemical Assessment Desk (see page 11).

30.3 Exposure Evaluation Division (EED)

U.S. EPA
TS-798
401 M. Street, S.W.
Washington, DC 20460
202-382-3866
FTS 382-3866

The Exposure Evaluation Division (EED) is responsible for the integrated assessment of human and environmental exposure in support of OTS' risk assessment activities. The Division supports CCD and ECAD by providing assistance regarding the chemical, physical, and persistence properties of substances, and information on standards and guidelines. The EED also assists in evaluating analytical methods and laboratory and field techniques. Review of data from industrial exposure assessments and the evaluation and development of guidelines for human epidemiological studies are also conducted by EED.

30.4 Health and Environmental Review Division (HERD)

U.S. EPA
TS-796
401 M. Street, S.W.
Washington, DC 20460
202-382-4241
FTS 382-4241

The Health and Environmental Review Division (HERD) develops and recommends science policies to OTS concerning the assessment of human health and ecological effects. The Division performs reviews of hazard, exposure, and risk assessments prepared by OTS divisions, other EPA offices, and outside offices (both government and non-government). The HERD also develops and recommends testing requirements under TSCA. For new chemicals, HERD integrates exposure information from other divisions with their own hazard assessments to develop risk estimates. For existing chemicals, HERD develops and/or reviews hazard and risk assessments from outside sources. In collaboration with their counterparts in the ORD, academic, and international organizations, HERD also identifies, develops, and validates new laboratory testing methods and techniques.

30.5 Information Management Division (IMD)

U.S. EPA
TS-793
401 M. Street, S.W.
Washington, DC 20460
202-382-3938
FTS 382-3938

As the focal point for all toxic chemical information in EPA headquarters, the Information Management Division (IMD) is responsible for all information and security services in support of activities under TSCA and SARA Title III, Section 313 (under Section 313 of Title III, certain businesses are required to submit annual reports on the amounts of chemicals their facilities release into the environment, either routinely or as a result of accidents). In fulfilling this responsibility, IMD develops and maintains data bases, automatic data processing (ADP) systems, and the EPA computer network.

The Confidential Data Branch of IMD is responsible for administrating all TSCA confidential business information (including operation of the OTS Confidential Business Information Center). The Public Data Branch provides nonconfidential information services, such as literature searches and operation of the TSCA Public Information Office.

30.6 TSCA Assistance Office (TAO)

U.S. EPA
TS-799
401 M. Street, S.W.
Washington, DC 20460
202-382-3790
FTS 382-3790

The TSCA Assistance Office (TAO) responds to Congressional inquiries relevant to TSCA and advises the OTS Director on policy options and procedures with regard to changing technology. The TAO also assists Regional Offices in responding to inquiries to ensure policy consistency, and performs outreach efforts to notify affected groups about new or updated TSCA regulations.

Through symposia, meetings, and conferences, TAO disseminates information pertaining to TSCA outside the Agency. The TAO provides regulatory assistance and guidance to industry, environmental groups, public interest groups, States, Regional Offices, and other countries regarding OTS policy.

OFFICE OF RESEARCH AND DEVELOPMENT (ORD)

31. Office of Modeling, Monitoring Systems, and Quality Assurance (OMMSQA)

U.S. EPA
RD-680
401 M. Street, S.W.
Washington, DC 20460
202-382-5767
FTS 382-5767

The Office of Modeling, Monitoring Systems, and Quality Assurance (OMMSQA) is responsible for planning, managing and evaluating a comprehensive program for: (a) research with respect to the characterization and transport and fate of pollutants that are released into the atmosphere; (b) development and demonstration of techniques and methods to monitor human and ecological exposure and to relate ambient concentrations to exposure of critical receptors; (c) research, development, and demonstration of new monitoring methods, systems, techniques, and equipment for detection, identification, and characterization of pollutants at the source and in the ambient environment and for use as reference or standard monitoring methods; (d) establishment, coordination, and review of Agency-wide Quality Assurance Program; (e) development and provision of quality assurance methods, techniques, and material including validation and standardization of analytical methods, sampling techniques, quality control methods, standard reference materials, and techniques for data collection, evaluation, and interpretation.

31.1 Modeling and Monitoring Systems Staff

U.S. EPA
RD-680
401 M. Street, S.W.
Washington, DC 20460
202-382-5776
FTS 382-5776

The Modeling and Monitoring Systems Staff, is responsible for the planning, management, coordination, and review of the Agency's research, development, and demonstration programs in the Air, Toxics, Pesticides, Radiation, Water, and Waste Management media to define: (1) techniques and systems to monitor human and ecological exposure and relate ambient concentrations of pollutants to exposure of critical receptors; (2) research and development program to characterize the atmospheric processes and transport and transformation of air pollution as it relates to urban and regional atmospheres; (3) precise,

accurate techniques for surveillance and enforcement requirements; (4) candidates for designation as standard or reference monitoring methods; (5) monitoring methods and systems including sampling techniques and methodology, and other components of monitoring systems and strategies; (6) quality assured monitoring techniques including methods of standardization, validation and equivalency, and quality procedures and protocols, and quality control; and (7) managing and providing specialized monitoring or other systems to Agency program and Regional Offices as well as other Federal and State agencies in response to requests for services. The Staff provides technical expertise and management assistance in the areas noted above; develops broad Agency policy and program plans, priorities, and laboratory objectives; coordinates research and development activities with other components of ORD, the Agency, the Federal, State and local governments, and the private sector; reviews laboratory plans, allocates resources, and monitors the status of ongoing programs; conducts or assists in conducting program reviews; and develops recommendations for corrective actions when necessary.

31.2 Atmospheric Research and Exposure Assessment Laboratory (AREAL)

U.S. EPA
MD-75
Research Triangle Park, NC 27711
919-541-2106
FTS 629-2106

The Atmospheric Research and Exposure Assessment Laboratory (AREAL), conducts intramural and extramural research programs, through laboratory and field research, in the chemical, physical, and biological sciences designed to:

- Characterize and quantify present and future ambient air pollutant levels and resultant exposures to humans and ecosystems on local, regional, and global scales;
- Develop and validate models to predict changes in air pollution levels and air pollutant exposures and determine the relationships among the factors affected by predicted and observed changes;
- Determine source-to-receptor relationships relating to ambient air quality and air pollutant exposures, developing predictive models to be used for assessments of regulatory alternatives derived from these relationships, directly or indirectly;

- Provide support to Program and Regional Offices and to state and local groups, in the form of technical advice, methods research and development, quality assurance, field monitoring, instrument development, and modeling for quantitative risk assessment and regulatory purposes;

- Develop and carry out long-term research in the areas of atmospheric methods, quality assurance, biomarkers, spatial statistics, and exposure assessment;

- Collect, organize, manage, and distribute research data on air quality, human and ecosystem exposures and trends for Program and Regional Offices, ORD, the scientific community, and the public at large.

32. Office of Technology Transfer and Regulatory Support (OTTRS)

U.S. EPA
RD-672
401 M. Street, S.W.
Washington, DC 20460
202-382-7669
FTS 382-7669

The Office of Technology Transfer and Regulatory Support (OTTRS) provides technical and policy assistance to the Office of Research and Development (ORD) laboratories. It also serves as a focal point for communication and coordination with EPA program offices, EPA Regional Offices, and non-EPA organizations including State and local agencies, universities, and other Federal agencies. The OTTRS disseminates ORD scientific and engineering information through its Center for Environmental Research Information (CERI) and provides EPA Program Offices with recommendations for integrating this information into the regulatory decision-making process.

32.1 Center for Environmental Research Information (CERI)

26 West Martin Luther King Drive
Cincinnati, OH 45268
513-569-7391
FTS 684-7391

The Center for Environmental Research Information (CERI) is the focal point for all ORD information products. Its responsibilities are in two broad areas - Technical Information Product Management and Technology Transfer. CERI's product management activities include establishing and maintaining ORD's technical information policy; final production, printing, and distributing all

ORD reports; developing special reports when needed; and producing ORD project summaries. The Technology Transfer Staff anticipates adverse impacts of Agency regulatory and enforcement activities. With the help of ORD research staff, academia, and the scientific and engineering components of the private sector, strategies and information tools are developed and disseminated to alleviate these impacts. For example, the staff develops information for solving municipal and industrial environmental problems through the application of control technology and makes these solutions available to carefully selected target audiences through seminars and related publications.

The ORD Publications Announcement is published four times a year to provide interested parties with access to the broad range of currently available documents produced by the Office of Research and Development. To receive a copy of this announcement, contact the Publications Unit at 513-569-7562. Orders are filled until the supply of a particular report is exhausted.

33. Office of Environmental Processes and Effects Research (OEPER)

U.S. EPA
RD-682
401 M. Street, S.W.
Washington, DC 20460

The Office of Environmental Processes and Effects Research (OEPER) develops scientific and technological methods for managing the entry, movement, and fate of pollutants in the environment. The effects of pollutants on nonhuman organisms and ecosystems are researched. The OEPER consists of research facilities in Ada, Oklahoma; Athens, Georgia; Corvallis, Oregon; Duluth, Minnesota; Narragansett, Rhode Island; and Gulf Breeze, Florida. The Corvallis Environmental Research Laboratory (CERL) assesses the ecological effects of airborne pollutants; other laboratories focus on aquatic, multimedia, and soil systems.

33.1 Terrestrial Effects Staff

U.S. EPA
RD-682
401 M. Street, S.W.
Washington, DC 20460
202-382-5940
FTS 382-5940

The Office of Research and Development Terrestrial Effects Staff has responsibility for planning and management of acid deposition research, including emissions, atmospheric processes, deposition monitoring, control technology, and aquatic and terrestrial effects.

34. Office of Health and Environmental Assessment (OHEA)

U.S. EPA
RD-689
401 M. Street, SW
Washington, DC 20460

The Office of Health and Environmental Assessment (OHEA) is responsible for assessing the effects of environmental pollutants on human health and ecological systems. The risk assessments performed by OHEA are used by EPA as the scientific basis for regulatory and enforcement decisions. The OHEA also develops risk assessment guidelines and methodologies, and recommends and implements research programs. The OHEA provides technical assistance to EPA program and Regional Offices concerning acceptable pollutant levels and dose-response relations.

34.1 Human Health Assessment Group (HHAG)

U.S. EPA
RD-689
401 M. Street, S.W.
Washington, DC 20460
202-382-5898
FTS 382-5898

The Human Health Assessment Group (formerly the Carcinogen Assessment Group and the Reproductive Effects Assessment Group) is comprised of scientists with expertise in epidemiology, toxicology, endocrinology, pharmacology, and biostatistics. This group analyzes existing scientific data and evaluates the carcinogenicity, genetic toxicity, and developmental and reproductive toxicity of substances and mixtures. The HHAG has contributed substantial input to many health effects/assessment documents prepared by the Agency. HHAG researches methods for risk assessment; develops test methods and basic research designed to improve the scientific basis for assessments, and coordinates research into these areas; and provides advice and guidance to Federal, State, and local agencies and international organizations.

34.2 Exposure Assessment Group (EAG)

U.S. EPA
RD-689
401 M. Street, S.W.
Washington, DC 20460
202-475-8909
FTS 475-8909

The Exposure Assessment Group (EAG) evaluates the exposure characteristics of substances that are suspected of causing adverse health effects. The Group designs and models exposure studies, and develops and provides methodology, guidance, and procedures for exposure determinations to other EPA offices. Assessments may include metabolic considerations to assess dose to target tissues or cells within the body. In addition, EAG reviews exposure assessments prepared by other EPA offices, and prepares independent exposure and risk assessments and make recommendations concerning the exposure potential of specific chemicals. The EAG addresses both human and ecological exposure issues. Training is also provided to State, local, and EPA Regional personnel.

34.3 Environmental Criteria and Assessment Office--Cincinnati (ECAO-Cin)

U.S. EPA
26 W. Martin Luther King Drive
Cincinnati, OH 45268
513-569-7531
FTS 684-7531

The ECAO-Cin maintains a technical assistance and support program that provides health and risk evaluations to EPA Headquarters and Regional Offices, and State, local, and international agencies.

In the air quality program, ECAO-Cin supplies health assessment documentation and summaries for airborne contaminants, including maintenance of court files and disposition of public documents. The ECAO-Cin also prepares the risk assessments for hazardous substances found at uncontrolled hazardous waste sites and identified by EPA's Office of Solid Waste.

The ECAO-Cin supports the Air Risk Information Support Center (Air RISC), providing technical assistance to State and local air agencies and EPA Regional Offices on issues related to health, risk, and exposure assessments. ECAO-Cin has developed and maintains the Integrated Risk Information System (IRIS),

EPA's data base for risk assessment information. When appropriate, ECAO-Cin coordinates workshops concerning specific substances or risk assessment methodologies.

34.4 Environmental Criteria and Assessment Office--RTP (ECAO-RTP)

U.S. EPA
MD-52
Research Triangle Park, NC 27711
202-541-4173
FTS 629-4173

The primary mission of the Environmental Criteria and Assessment Office-Research Triangle Park (ECAO-RTP) is the assessment and interpretation of scientific information in support of EPA regulatory decision-making, especially with regard to air-related standards. This function is accomplished via preparation and publication of: (1) new or revised air quality criteria documents used in setting national ambient air quality standards under the Clean Air Act, Sections 108 and 109; (2) scientific assessments serving as the basis in decisions on listing and regulating hazardous air pollutants under the Clean Air Act, Sections 111 and 112; and (3) other special reports as required by various legislative authorities. The ECAO-RTP also serves as an important Agency focal point for: (1) identification and communication of gaps in air-related data bases and research necessary to address such gaps; (2) provision of scientific assessment support to EPA Regions and State and local agencies in dealing with specific air toxic problems; and (3) coordination/organization of the Office of Research and Development scientific assessment and information exchange concerning air-related health and environmental effects in connection with international activities.

The ECAO-RTP is the head office for coordination of the ORD support the Air Risk Information Support Center; requests for assistance submitted to this office for health or risk assessment information are handled by ECAO-RTP, or referred, as appropriate to others ORD staff (primarily OHEA).

35. Office of Health Research (OHR)

U.S. EPA
RD-683
401 M. Street, S.W.
Washington, DC 20460

The Office of Health Research (OHR) is the focal point for toxicological, clinical, and epidemiological research within the Office of Research and Development. The OHR formulates and implements a comprehensive research program to investigate human health effects associated with exposure to environmental pollutants and assists in the formulation of health science policy for EPA. The OHR evaluates and communicates its research results and provides advice on their use to EPA offices for criteria development and scientific assessments in support of regulatory and standard setting activities.

35.1 Health Effects Research Laboratory (HERL)

U.S. EPA
MD-51
Research Triangle Park, NC 27711
919-541-2281
FTS 629-2281

The Health Effects Research Laboratory (HERL) investigates human health effects resulting from exposure to environmental pollutants. Staffed by health scientists with recognized expertise in a variety of disciplines - environmental medicine, physiology, epidemiology, statistics, biochemistry, neurotoxicology, reproductive toxicology, teratology and perinatal toxicology, geriatric toxicology, pulmonary toxicology, immunotoxicology, cardiovascular toxicology, genotoxicology, hepatotoxicology and other target organ toxicology, and microbiology -HERL is the primary laboratory for toxicological, clinical, and epidemiological research within the Agency. HERL also establishes cooperative research projects with academic and other scientific institutions which facilitate the Agency's efforts in understanding health effects of environmental pollutants. This research program develops and applies state-of-the-science biological assays, predictive models, and extrapolation methods which serve as the basis for the Agency's health risk assessments.

35.1.1 Genetic Toxicology Division (GTD)

U.S. EPA
MD-68
Research Triangle Park, NC 27711
919-541-2537
FTS 629-2537

The research program of the Genetic Toxicology Division (GTD) encompasses the fields of mutagenesis, carcinogenesis, and related studies in cellular toxicology. The Division possesses the capability of fully evaluating the mutagenic and oncogenic potential of agents of environmental concern including pure chemicals and complex environmental mixtures. The Division has major research programs in improving risk assessment procedures, applying biomarkers to environmental health studies, improving the basis for heritable mutation risk assessment, and application of structure activity relationship methods (SAR) to environmental toxicology.

35.1.2 Neurotoxicology Division (NTD)

U.S. EPA
MD-74B
Research Triangle Park, NC 27711
919-541-2671
FTS 629-2671

The Neurotoxicology Division is the focal point for planning, conducting, coordinating, supporting, and evaluating a program aimed at studying the effects of physical and/or chemical agents on nervous system function. The program includes both intramural investigations and extramural arrangements with universities, industry, private research institutions and other government agencies. The overall program strategy stresses the development of cost-effective testing methods for evaluating neurotoxicity and for predicting risk to humans. Within the framework of this strategy, five overall objectives have been identified. These are: (1) methods development and validation, including evaluation of existing methods, design and evaluation of new methods, and development of testing strategies; (2) toxicity evaluation; (3) determinations of the significance of neurotoxicological indicators for assessing risk in humans; and (4) developmental neurotoxicology (behavioral teratology) which evaluates the effects of perinatal toxicant exposure on the development of the nervous system; and (5) mechanism of action studies.

35.1.3 Research and Regulatory Support Division (RRSD)

U.S. EPA
MD-55
Research Triangle Park, NC 27711
919-541-2339
FTS 629-2339

The Division is responsible for the coordination and staff work on scientific, statistical, and technical projects and activities in support of the research programs and regulatory assistance activities in the HERL. The Division fulfills its responsibilities for assistance with scientific and technical issues within HERL by undertaking special projects which are of critical importance to the Laboratory on emerging and recurrent technical issues, especially of a multimedia nature. The Division acts as liaison with ORD offices external to HERL (e.g., Office of Technology Transfer and Research Support), Regional Offices, State and local environmental protection agencies, and the public in regard to technology transfer issues related to health effects of environmental pollutants.

35.1.4 Environmental Toxicology Division (ETD)

U.S. EPA
MD-66
Research Triangle Park, NC 27711
919-541-2655
FTS 629-2655

The Environmental Toxicology Division conducts research to determine the health effects of inhaled environmental pollutants. Particular emphasis is placed on the development and application of improved methods which enable significant advancement in the knowledge of the health effects of air pollutants. The Division serves as a primary technical resource within the Agency for activities requiring expertise in animal inhalation studies and in the health effects of common air pollutants. Continual efforts are made to improve the correlation between animal and human studies and extrapolation models are developed to enable better risk assessments to be made. These extrapolation models are founded on physiologically-based dosimetry models for compounds that have been ingested, inhaled, or dermally applied. Methods for the isolation and identification of chemicals and metabolites in tissues and biological fluids are developed and then applied in experimental dosimetry research programs. Issues such as route-to-route, acute-to-chronic, and animal-to-man extrapolation are addressed.

35.1.1 Developmental Toxicology Division (DTD)

U.S. EPA
MD-71
Research Triangle Park, NC 27711
919-541-2771
FTS 629-2771

The Developmental Toxicology Division conducts and manages biological research on the effects of environmental pollutants, singly or in combination, on reproduction and development. The chemical agents under investigation include toxic substances, pesticides, air pollutants, drinking water contaminants, and hazardous wastes. Major research emphasis is on the development of new and improved methodologies for the assessment of male and female reproductive toxicity, embryo and fetal toxicity, and postnatal functional deficits.

35.1.6 Human Studies Division (HSD)

U.S. EPA
MD-58
Research Triangle Park, NC 27711
919-966-6200

The Human Studies Division conducts clinical and epidemiological investigations to improve the understanding of human health risks associated with environmental pollution. Clinical studies are conducted for research questions which are best approached experimentally by monitoring or administering exposures under highly controlled laboratory settings or where the evaluation of effects requires complex laboratory procedures. Epidemiologic investigations study humans in less rigidly controlled, more natural settings by field studies or analysis of existing data. Laboratory analyses are used to improve assessments of exposure, biologically relevant doses, adverse biological or health effects, as well as to investigate mechanisms linking these phenomena. Studies are frequently designed and analyzed so as to characterize the similarities or differences between effects observed in humans and animals or in vitro systems; the data are then used by the Agency for risk assessment in the absence of human data.

36. Risk Assessment Forum (RAF)

U.S. EPA
RD-689
401 M. Street, S.W.
Washington, DC 20460
202-475-6743
FTS 475-6743

The Risk Assessment Forum (RAF) is made up of 13 senior EPA scientists. Its objective is to promote consensus on risk assessment issues and ensure incorporation of this consensus into risk assessment guidance. The RAF performs risk assessment projects selected in collaboration with the Risk Assessment Council, which was established in 1986 by the Administrator to provide executive oversight of risk assessment policies at EPA.

The Forum assists EPA's policy making in four ways: (1) develops positions on science policy issues for use in risk assessment; (2) develops risk assessment procedures not covered by EPA published guidelines; (3) recommends revisions to the guidelines whenever such revisions appear to be necessary; and (4) reviews selected risk assessments upon referral from EPA Program Offices.

OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE (OSWER)

37. Office of Emergency and Remedial Response (OERR)

U.S. EPA
OS-200
401 M. Street, S.W.
Washington, DC 20460

The Office of Emergency and Remedial Response (OERR) is responsible for development and implementation of a national strategy, technical policies, regulations, and guidelines for control of abandoned hazardous waste sites. The OERR also responds to and acts to prevent oil and hazardous substance spills.

37.1 Hazardous Site Control Division (HSCD)

U.S. EPA
OS-220
401 M. Street, S.W.
Washington, DC 20460
202-382-4632
FTS 382-4632

The Hazardous Site Control Division is responsible for developing and evaluating remedial action, negotiating and monitoring remedial targets and progress, and providing policy and technical guidance on costs, construction, data quality and field procedures, and site evaluation at Superfund sites.

37.2 Hazardous Site Evaluation Division (HSED)

U.S. EPA
OS-230
401 M. Street, S.W.
Washington, DC 20460
202-475-8602
FTS 475-8602

The Hazardous Site Evaluation Division (HSED) is responsible for managing site discovery activities and oversees site evaluation. The HSED develops policies and protocols for chemical analysis and monitoring, and proposes and promulgates the National Priority List updates. In addition, HSED develops policies and procedures for evaluating health risks at Superfund sites.

37.3 Emergency Response Division (ERD)

U.S. EPA
OS-210
401 M. Street, S.W.
Washington, DC 20460
202-475-8720
FTS 475-8720

The Emergency Response Division (ERD) responds to hazardous substance releases or threats of releases and initiates removal actions. The Division is responsible for response guidance and regulations, and provides support for on-site response actions. The ERD manages the Superfund Hotline and provides support for implementation of the Preparedness Program. The Division manages the oil dispersants program and promulgates regulations on oil discharge requirements. In addition, ERD develops reportable quantities regulations and maintains emergency response data bases.

37.4 Office of Program Management (OPM)

U.S. EPA
OS-110
401 M. Street, S.W.
Washington, DC 20460
202-382-2441
FTS 382-2441

The Office of Program Management and Technology (OPMT) has a variety of responsibilities within OSWER, including budget preparation, training, technology transfer, and cross media analysis. The OPMT carries out the State Capacity Assurance Program for management of hazardous waste.

OFFICE OF THE ADMINISTRATOR

38. Office of Cooperative Environmental Management

U.S. EPA
A-101F6
401 M. Street, S.W.
Washington, DC 20460
202-475-9741
FTS 475-9741

The Agency-wide Technology Transfer Staff is responsible for assisting and coordinating technical assistance, training, and information dissemination among EPA programs and with State and local agencies, business and industry, and academia. The Staff helps develop and implement communication networks, disseminate information on effective programs and processes, and build cooperative programs between governments and the private sector.

SECTION III

EPA REGIONAL INFORMATIONAL RESOURCES

The EPA maintains 10 Regional Offices that coordinate Agency activities with State and local agencies and the public and private sectors within specific geographic areas. Table 1 provides addresses and general telephone numbers for each Regional Office. Figure 1 illustrates the coverage, by State, of each region.

Regional contacts in four key subject areas (air toxics, library services, Superfund, and RCRA) are provided in Table 2. These persons can provide information on regional information sources as well as respond to many questions State and local agency personnel may have relating to toxic air pollutants. In addition, regional contacts for the chemical assessment desk are listed on page 12, and Regional Account Managers for access to the TRI data base are listed on page 9. If there is a question as to the appropriate person to contact, the Air RISC Hotline ((919) 541-0888; FTS 629-0888) should be contacted for assistance.

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TABLE 1. EPA REGIONAL OFFICES

EPA Region I
J.F.K. Federal Building
Boston, MA 02203-2211
FTS: 835-3715
Com: (617) 565-3715

EPA Region II
26 Federal Plaza
New York, NY 10278
FTS: 264-2525
Com: (212) 264-2525

EPA Region III
841 Chestnut Building
Philadelphia, PA 19107
FTS: 597-9800
Com: (215) 597-9800

EPA Region IV
345 Courtland Street, N.E.
Atlanta, GA 30365
FTS: 257-4727
Com: (404) 347-4727

EPA Region V
230 South Dearborn Street
Chicago, IL 60604
FTS: 353-2000
Com: (312) 353-2000

EPA Region VI
First Interstate Bank
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733
FTS: 255-6444
Com: (214) 655-6444

EPA Region VII
726 Minnesota Avenue
Kansas City, KS 66101
FTS: 757-2800
Com: (913) 236-2800

EPA Region VIII
999 18th Street
Denver Place - Suite 500
Denver, CO 80202-2405
FTS: 564-1603
Com: (303) 293-1603

EPA Region IX
215 Fremont Street
San Francisco, CA 94105
FTS: 454-8071
Com: (415) 974-8071

EPA Region X
1200 Sixth Avenue
Seattle, WA 98101
FTS: 399-5810
Com: (206) 442-5810

EPA
Regional Offices

Region/State	Region/State	Region/State
4-Alabama	1-Maine	3-Pennslyvania
10-Alaska	3-Maryland	1-Rhode Island
9-Arizona	1-Massachusetts	4-South Carolina
6-Arkansas	5-Michigan	8-South Dakota
9-California	5-Minnesota	4-Tennessee
8-Colorado	4-Mississippi	6-Texas
1-Connecticut	7-Missouri	8-Utah
3-Delaware	8-Montana	1-Vermont
3-D.C.	7-Nebraska	3-Virginia
4-Florida	9-Nevada	10-Washington
4-Georgia	1-New Hampshire	3-West Virginia
9-Hawaii	2-New Jersey	5-Wisconsin
10-Idaho	6-New Mexico	8-Wyoming
5-Illinois	2-New York	9-American Samoa
5-Indiana	4-North Carolina	9-Guam
7-Iowa	8-North Dakota	2-Puerto Rico
7-Kansas	5-Ohio	2-Virgin Islands
4-Kentucky	6-Oklahoma	
6-Louisiana	10-Oregon	

TABLE 2. REGIONAL CONTACTS

REGION	AIR TOXICS	LIBRARY SERVICES	SUPERFUND	RCRA
I	Rose Toscana (617) 565-4502 FTS 835-4502	Peg Nelson (617) 565-3715 FTS 835-3715	Dennis Huebner (617) 573-1610 FTS 883-1610	John Zipeto (617) 573-1744 FTS 833-1744
II	Al Forte (212) 264-2517 FTS 265-2517	Dennis Carey (212) 264-2881 FTS 264-2881	Lillian Johnson (212) 264-2515 FTS 264-2515	Lisa Peterson (212) 264-2515 FTS 264-2515
III	Frances Dougherty (215) 597-8322 FTS 597-8322	Diane McCreary (215) 597-0580 FTS 597-0580	Harold Yates (215) 597-9370 FTS 597-9370	Peter Bently (215) 597-6728 FTS 597-6728
IV	Sharron Porter (404) 881-2864 FTS 257-2864	Gayle Alston (404) 347-4216 FTS 257-4216	Pat Zweig (404) 347-3004 FTS 257-3004	Carl Terry (404) 347-3004 FTS 257-3004
V	Carl Nash (312) 886-6030 FTS 886-6030	Lou Tilley (312) 353-2022 FTS 353-2022	Bill Constantelos (312) 886-7579 FTS 886-7579	Bill Constantelos (312) 886-7579 FTS 886-7579
VI	Terie DeLorimier (214) 655-7208 FTS 655-7208	Nita House (214) 655-6444 FTS 255-6444	Charlene Chambers (214) 655-6720 FTS 255-6720	Tom Clark (214) 655-6770 FTS 255-6770
VII	Wayne Kaiser (913) 236-2893 FTS 757-2893	Constance McKenzie (913) 236-2828 FTS 757-2828	Steven Wurtz (913) 236-2803 FTS 757-2803	Dale Armstrong (913) 236-2806 FTS 757-2803
VIII	Dewitt Baulch (303) 293-1761 FTS 564-1761	Dolores Eddy (303) 293-1444 FTS 564-1444	Julie Bowen (303) 293-7039 FTS 564-7039	Chuck Stevens (303) 293-7036 FTS 564-7036
IX	Michael Stenburg (415) 454-8205 FTS 454-8205	Linda Sunnen (415) 974-8082 FTS 454-8082	Jerry Clifford (415) 974-8910 FTS 454-8910	Rich Vaille (415) 974-8119 FTS 454-8119
X	Elizabeth Waddell (206) 442-8578 FTS 399-8578	Julienne Sears (206) 442-1289 FTS 399-1289	Randy Smith (206) 442-1261 FTS 399-1261	Michael Gearheard (206) 442-8283 FTS 399-8283

*This list is current as of August 1989.

SECTION IV

KEY REFERENCE MATERIALS

Section IV lists several key reference materials related to health, exposure, and risk assessments for air toxics. These resources include health and exposure assessment documents, risk assessment documents, occupational safety and health references, and chemical-specific profile documents. Information on how to obtain each reference also is listed.

Annual Report on Carcinogens, 4th Report. National Toxicology Program. Washington, DC: National Technical Information Services, 1985.

National Technical Information Services
5285 Port Royal Road
Springfield, VA 22161
703-487-4650
FTS 737-4650

NTIS: PB85-134633-XAB PC A99 (paper copy) $46.95/ea

The Department of Public Health and Human Services is required by law to publish this annual report which contains a list of all substances which either are known to be or which may reasonably be anticipated to be carcinogens, and to which a significant number of people in the U.S. are exposed. The report provides available information on the nature of the exposures, the estimated number of potentially exposed people, and the effect of Federal regulations on the level of risk to public health from exposure to these substances.

Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics: Volume 1: Citations; Volume 2: Citations-1988; Index-1988. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina: July, 1988.

National Air Toxics Information Clearinghouse
U.S. EPA
Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711
(919) 541-0850
FTS 629-0850

The National Air Toxics Information Clearinghouse Bibliography provides citations for reports and Federal Register notices related to toxic air pollutants. The citations include documents on the following topics: accident prevention/emergency response, ambient monitoring, case studies evaluated by State and local agencies, Chemical Hazard Information Profiles prepared by EPA's Office of Toxic Substances, control technology, dispersion modeling, emission factors, exposure assessments, epidemiological studies, health assessments, indoor air pollutants, national emission standards for hazardous air pollutants, new source performance standards, air toxics program support, preregulatory assessments, regulatory development guidance, risk assessments, air toxics rules and regulations, source assessments, source sampling, and toxicity testing.

The reports selected for this bibliography were published by the following organizations: U.S. Environmental Protection Agency, National Academy of Sciences, National Cancer Institute, National Institute of Environmental Health Sciences, National Toxicology Program, National Institute for Occupational Safety and Health, Consumer Products Safety Commission, World Health Organization including the International Agency for Research on Cancer, and various State and local agencies.

The document numbers are:

Volume I - Citations July 1987 EPA-450/5-87-005

Volume II - Citations July 1988 EPA-450/5-88-005

Index - 1988 July 1988 EPA-450/5-88-006

Federal, State and local agencies may obtain copies of these reports by contacting the Clearinghouse staff at (919) 541-0850; FTS 629-0850.

Chemical Emergency Preparedness Program (CEPP)/SARA Title III, Section 302 Profiles

Office of Toxic Substances
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-3736

These profiles contain a summary of publicly available documented information for the chemicals listed under SARA Title III, Section 302 as extremely hazardous substances. There are 366 chemical profiles (as of February 1988) that contain acute hazard information, chemical properties, and emergency handling techniques.

Chemical Hazard Information Profiles (CHIPs)

U.S. EPA
TSCA Assistance Office
Office of Toxic Substances
401 M Street, S.W.
Washington, DC 20460

CHIPs (up to five per request) can be obtained from the TSCA Assistance Office at 202-554-1404).

Chemical Hazard Information Profiles (CHIPs) are summaries of readily available information on health and environmental effects, as well as exposure-related data. Published by the EPA's Office of Toxic Substances, CHIP candidates are chosen on the basis of information indicating a potential for adverse health or environmental effects, evidence of significant production or other exposure potential, and commercial use patterns regulated under the Toxic Substances Control Act (TSCA).

Exposure Assessments (EA)

Office of Health and Environmental Assessment (OHEA) (RD-689)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-7345
FTS 382-7345

Exposure Assessments (EAs) assess the nature and magnitude of human exposures occurring at a specific site as a result of an industrial operation or the

dumping of hazardous materials. The assessments discuss the primary routes of exposure in depth; other possible routes are considered in less detail. All EAs are reviewed by the Exposure Assessment Group of OHEA and support EPA's regulatory and enforcement programs.

"For Your Information" (FYI) Reports

U.S. EPA
OTS Public Reading Room
Ground Floor, Northeast Section
401 M. Street, S.W.
Washington, DC 20460

For more information about FYI Reports, contact:
Freedom of Information (A-101) U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-4048
FTS 382-4048

For further information regarding FYI submissions, contact:
FYI Coordinator
Office of Toxic Substances (TS-778)
U. S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-475-8823
FTS 475-8823

"For Your Information" (FYI) Reports are submitted voluntarily to the EPA by chemical manufacturers, processors and distributors, trade associations, labor organizations, Federal, State and local agencies, foreign governments, academia, public interest and environmental groups, and the general public.

The reports contain unpublished chemical toxicity and exposure data. They do not meet the statutory requirements for submission under TSCA but may be pertinent to risk assessment and risk management activities. Copies of FYI reports can be obtained by visiting the OTS Public Reading Room or by writing to the Freedom of Information Office (address provided above).

Health Assessment Documents (HADs)

Office of Health and Environmental Assessment (OHEA) (RD-689)
U.S. EPA
401 M. Street, SW
Washington, DC 20460
202-382-7345
FTS 382-7345

Health Assessment Documents (HADs) contain comprehensive assessments of the known health data from all exposure routes on particular chemicals or compounds, and are used by the Office of Air Quality Planning and Standards (OAQPS) to support regulatory decisions under Sections 111 and 112 of the Clean Air Act or other appropriate regulatory authorities.

Health Effects Assessments (HEAs)

Office of Health and Environmental Assessment (OHEA) (RD-689)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-7345
FTS 382-7345

Health Effects Assessments (HEAs) are preliminary assessments of relevant health effects data from published literature and OHEA documents. The documents suggest acceptable exposure levels whenever sufficient data are available. The values presented reflect the relative degree of hazard associated with exposure or risk to the chemical(s) addressed.

Health and Environmental Effects Documents (HEEDs)

RCRA Public Docket
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-4646
FTS 382-4646

Health and Environmental Effects Documents (HEEDs) are prepared for the Office of Solid Waste and Emergency Response (OSWER) to support listings under the Resource Conservation and Recovery Act (RCRA) as well as to provide health-related limits and goals for emergency and remedial actions under the Comprehensive Environmental Response, Liability, and Compensation Act

(CERCLA/Superfund). Both published literature and information obtained from Agency program office files are evaluated as they pertain to human health, aquatic life, and hazardous waste constituents.

Health and Environmental Effects Profiles (HEEPs)

RCRA Public Docket
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-4646
FTS 382-4646

Health and Environmental Effects Profiles (HEEPs) aid the Office of Solid Waste in developing waste characterization regulations under the Resource Conservation and Recovery Act (RCRA). The HEEP documents are summaries of literature concerning health hazards associated with environmental exposures to certain RCRA chemicals.

National Institute for Occupational Safety and Health (NIOSH) Criteria Documents (NIOSHCRIT)

NIOSH Publications
4676 Columbia Parkway
Cincinnati, OH 45226

Any titles not available through NIOSH can be obtained through the following:

Superintendent of Documents
U.S. Government Printing Office (GPO)
Washington, DC 20402

or

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650
FTS 737-4650

These Criteria Documents summarize the National Institute for Occupational Safety and Health (NIOSH) rationale for recommended exposure limits for chemicals presenting human health risks in the workplace. These documents are passed on to the Secretary of Labor for consideration for use in developing regulatory standards.

National Air Toxics Information Clearinghouse: Qualitative and Quantitative Carcinogen Risk Assessment. EPA 450/5-87-003. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina: 1987.

National Air Toxics Information Clearinghouse
U.S. EPA
Office of Air Quality Planning and Standards (MD-13)
Research Triangle Park, NC 27711
919-541-0850
FTS 382-0850

The National Air Toxics Information Clearinghouse has been established by the EPA Office of Air Quality Planning and Standards (OAQPS) in coordination with the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Officials (ALAPCO) for the purpose of aiding information transfer among Federal, State, and local air quality management agencies. This report has been published as part of that effort. The purpose of this report is to describe the basic principles and assumptions associated with a qualitative and quantitative carcinogenic risk assessment to help State and local agencies better understand and interpret a risk assessment. The report discusses the four steps of risk assessment: hazard identification, dose-response assessment, exposure assessment, and risk characterization, focusing primarily on the dose-response assessment. In addition to describing the basic principles of carcinogenic risk assessment, the report describes examples of risk assessment work done by EPA and four State/local agencies.

The Risk Assessment Guidelines of 1986. EPA 600/8-87-045. Environmental Protection Agency, Office of Health and Environmental Assessment, Washington, DC: 1987. NTIS PB88-123997/AS.

Center for Environmental Research Information
U.S. EPA
26 West Martin Luther King Drive
Cincinnati, OH 45268
513-569-7562
FTS 684-7562

On September 24, 1986, the U.S. Environmental Protection Agency issued risk assessment guidelines relating to five areas: carcinogenicity, mutagenicity, chemical mixtures, suspect developmental toxicants, and estimating exposures (51 FR 33992-34054). The guidelines were developed to promote high technical

quality and Agency-wide consistency in the risk assessment process. This document presents the five guidelines as they originally appeared in the Federal Register but in a format that is easier to read.

Risk Assessment, Management, Communication: A Guide to Selected Sources. Environmental Protection Agency, Information Management and Services Division, Washington, DC: NTIS, 1987.

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
703-487-4650
FTS 737-4650

NTIS PB87 185500-XAB	PC A10 $25.95 Original Publication
NTIS PB87 203402-XAB	PC A06 $19.95 First Update
NTIS PB88-100102-XAD	PC A04 $14.95 Second Update
NTIS PB88 128178-XAB	PC A03 $12.95 Third Update

NOTE: Original publication and all updates must be purchased to have most current and complete directory information. Publication will be updated twice in 1988 in May and October. Contact NTIS for availability of future updates.

Risk Assessments: Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Effects

Office of Health and Environmental Assessment (OHEA) (RD-689)
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-7345
FTS 382-7345

Risk assessments are analyses of varying length and scope of scientific data on chemical substances as these data relate to human health. The documents are used by EPA to determine whether a chemical substance is carcinogenic, mutagenic, teratogenic, or affects human reproductive systems, and what risk it poses to the public, particularly in relation to other chemicals. These evaluations may be individual documents or part of a larger document (e.g., Health Assessment Documents).

Threshold Limit Values and Biological Exposure Indices. American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, OH: 1988.

ACGIH
6500 Glenway Avenue, Building D-7
Cincinnati, OH 45211-4438
513-661-7881

The ACGIH publishes Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs). TLVs are based on available information from industrial experience and from experimental human and animal studies. The BEIs are based on epidemiological and field study data or determined as bioequivalent to a TLV by means of pharmacokinetic analysis of data from controlled human studies.

Toxicity One-Liners

Freedom of Information
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460
202-382-4048
FTS 382-4048

Send written requests for test results to:
Office of Pesticide Programs
U.S. EPA
401 M. Street, S.W.
Washington, DC 20460

Toxicity One-Liners summarize test results on toxicity required by Office of Pesticide Programs (OPP) from the producers of pesticides who want to bring a new product on the market. For each test submitted, information is provided on the testing laboratory, the kind and length of study, the material tested, and the date the study was finished.

User's Manual for the Human Exposure Model (HEM). EPA-450/5-86-001. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina: June, 1986.

Library Services Office (MD-35)
U.S. EPA
Research Triangle Park, NC 27711
919-541-2777
FTS 629-2777

or

National Technical Information Services

5285 Port Royal Road
Springfield, VA 22161
703-487-4650
FTS 737-4650

INDEX

This index may be used as a guide to locate EPA offices and services that provide information pertaining to a specific key subject area (e.g., asbestos). Reference numbers are provided for each subject area listed below. Instead of indicating pages, these numbers refer to the specific reference number of the EPA offices and services listed in Sections I and II.

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INTRODUCTION

The computerized sources described in this section of the directory represent what is available today on the subject of health, exposure and risk assessment of air toxics. However, computerized sources of information change rapidly. The reader should be aware that what is here today may not be tomorrow. In addition, new sources appear continuously.

This is not an attempt to evaluate the databases, just to describe their contents. Prices to access and retrieve data vary greatly from vendor to vendor and from source to source. Some are more user friendly than others. Some are still available online, but are no longer being updated. The vendors offer training and complete database descriptions once an account with them is set up.

Vendors through which these data bases are available are listed after each database and contact information for each vendor is listed at the end of the appendix.

CHEMICAL PROPERTIES, HAZARD, AND TOXICITY--FACTUAL DATABASES

AGROCHEMICALS HANDBOOK (DIALOG)
Provides chemical, physical, analytical, agricultural use, toxicological, and environmental data on 500+ component active ingredients which are contained in agrochemical products used worldwide. Produced by the Royal Society of Chemistry.

CHEMICAL CARCINOGENESIS RESEARCH INFORMATION SYSTEM (CIS, TOXNET)
Produced by Stanford Research Institute for National Cancer Institute. Results of carcinogenicity (positive or negative results), mutagenicity (positive only), tumor promotion (positive only), and cocarcinogenicity tests (positive only).

CHEMICAL EVALUATION SEARCH AND RETRIEVAL SYSTEM - CESARS (CIS)
Sponsored by EPA Great Lakes Program and Michigan State Department of Natural Resources. Detailed, evaluated, fully referenced profiles of 194+ chemicals. 185 data fields including acute and chronic toxicity, carcinogenicity, teratogenicity, physical/chemical properties, environmental fate, and environmental effects. Last update to the database was in 1985.

CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS - CTCP (CIS)
Based upon printed version. Compilation of common commercial product ingredients and their toxicities. Contains information on toxicology, health effects, treatment of poisoning, manufacturing, production for 1,500+ ingredients of 22,000+ commercial products.

ENVIROFATE (CIS)
Gives information on the environmental fate or behavior of chemical substances as well as physical-chemical properties. Sponsored by EPA Office of Toxic Substances. 8,000+ records on 450+ chemicals.

EPA PESTICIDE FACT SHEETS (NPIRS)
Fact sheets prepared by the Environmental Protection Agency Office of Pesticide Programs; designed to provide concise information about active ingredients used in pesticide products. Data and summarized information in 13 sections including description of the chemical, toxicological, physiological, biochemical, environmental, and ecological characteristics, tolerance assess-ment, problems with chemical, science summary, regulatory position and rationale, major data gaps and due dates, and EPA contact person. 134+ fact sheets available.

GENETOX (CIS)
Contains summary information on genetic assay studies conducted on 2,500+ compounds. Includes specific indications of type of assay performed, the biological host, type of endpoint measured, and final quantitative results.

HAZARDOUS SUBSTANCES DATA BANK - HSDB (TOXNET)
Detailed, scientifically reviewed, fully referenced profiles for 4,200+ chemicals. Records have up to 150 data fields in 11 categories including Substance Identification, Manufacturing/Use Information, Chemical and Physical Properties, Safety and Handling, Toxicity/Biomedical Effects, Pharmacology, Environmental Fate/Exposure Potential, Exposure Standards and Regulations, Monitoring and Analysis Methods, Additional References, and Express Data (new data). Produced by Specialized Information Services of the National Library of Medicine.

HEILBRON (DIALOG)
75,000+ concise entries with information on 175,000+ chemicals. Includes chemical identification, physical-chemical properties, use, hazard and key reference data.

MERCK INDEX (BRS, DIALOG)
Full text of the tenth printed edition, updated to include 57 new and 341 substantially revised monographs. 10,000+ records. Gives concise information on chemicals including discussions of isolation, preparation, biosynthesis, physical and biological properties, pharmacological actions, uses and toxicity.

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES - RTECS (CIS, MEDLARS, TOXNET)
Online interactive version of NIOSH publication. Provides data for 90,000+ potentially toxic chemicals, including toxicity data, chemical identifiers, exposure standards, NTP test status and status under various Federal regulations and programs. Database also available on microfiche and on CD-ROM (SilverPlatter).

REPROTOX (Reproductive Toxicology Center)
Provides comprehensive information on the reproductive effects of hundreds of chemical substances. Offers summaries of most relevant and important articles. Database use is included with membership in the Reproductive Toxicology Center.

TERATOGENICITY-ENVIRONMENTAL TERATOLOGY INFORMATION CENTER DATABASE (MEDLARS)
Information from open literature on testing and evaluation for teratogenic activity of chemical, biological and physical agents. Subfile in TOXLINE database.

TOXIC INTERACTION DATABASE
Internal EPA database containing summary toxicity data from published laboratory studies on toxic interactions between chemicals. The data include the exposure conditions and type of interaction, as well as the statistical analysis methods used. Contract Dr. Richard Hertzberg 513/569-7582.

TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS - TSCATS (CIS)
Indexes unpublished health and safety studies, chemical test data, and substantial risk data submitted to EPA under the Toxic Substances Control Act (TSCA). Includes 18,000+ records covering 2,700+ chemicals. Catalogs the purpose of testing, test organism(s) used, route(s) of administration, and where available, a description of the nature of the chemical tested. Gives the title of the submission and file identification data. Copies of studies available on microfiche from NTIS or CIS. Developed by Syracuse Research Corporation for the Office of Toxic Substances of EPA.

CHEMICAL PROPERTIES, HAZARD, AND TOXICITY--BIBLIOGRAPHIC DATABASES

BIOSIS PREVIEWS - BIOLOGICAL ABSTRACTS (BRS, DIALOG, ORBIT, a segment in TOXLINE)
Major comprehensive worldwide coverage of research in life sciences. Extensive coverage of toxicology. Covers 9,000+ primary journals as well as other literature. 5,100,000+ references from 1969 to the present.

CANCERLIT (BRS, DIALOG, MEDLARS)
Sponsored by National Cancer Institute; produced by the National Library of Medicine. 3,000+ U.S. and foreign journals, books, reports, and meeting abstracts reviewed for inclusion. 520,000+ references from 1963 to the present.

DOE ENERGY (DIALOG, ORBIT)
Provides comprehensive coverage of literature, patents, monographs, and technical reports concerning all aspects of energy production, utilization, and conservation. Information on toxicology related to energy sources and byproducts. Sponsored by the Department of Energy. 1,750,000+ records from 1974 to the present.

ENVIROLINE (DIALOG, ORBIT)
Worldwide environmental information coverage of 5,000+ international primary and secondary source publications. Subject scope includes fields such as management, technology, planning, law, political science, economics, geology, biology, and chemistry as they relate to environmental issues. Literature scanned includes periodicals, government documents, industry reports, meeting proceedings, newspaper articles, films, and monographs. 120,000+ records from 1971 to the present.

ENVIRONMENTAL MUTAGEN INFORMATION CENTER - EMIC (MEDLARS)
Consists primarily of references from the open literature that report the testing of chemicals, biological agents and some physical agents for mutagenicity. It also includes general references and methods papers on test systems and organisms. EMIC is a subfile of the TOXLINE database.

MEDLINE (BRS, DIALOG, MEDLARS)
Indexes articles from 3,200+ biomedical journals published in the U.S. and abroad. MEDLINE is indexed using NLM's controlled vocabulary, MESH (Medical Subject Headings) and contains all citations indexed in Index Medicus. It is a major source of biomedical literature. 5,200,000+ references from 1966 to the present.

NIOSH TECHNICAL INFORMATION CENTER DATABASE - NIOSHTIC (DIALOG, INFOLINE)
National Institute for Occupational Safety and Health Technical Information Center file. Covers toxicology, epidemiology, industrial hygiene practices and other areas of occupational health and safety. Citations from 400+ journals, NIOSH publications, including contract and grant reports, theses, monographs, and some unpublished documents. Contains important articles from early literature, some dated pre-1900. Also available on OSH-ROM CD ROM.

NTIS (BRS, DIALOG, ORBIT)
Produced by National Technical Information Service. Covers U.S. government-sponsored research and development for 200+ agencies. Includes technical reports, some reprints, federally-sponsored translations, and foreign language reports in areas of major technical interest. 1,200,000+ records from 1964 to the present.

POLLUTION ABSTRACTS (BRS, DIALOG)
Covers all aspects of pollution, solid waste management and environmental quality. Produced by Cambridge Scientific Abstracts, Bethesda, Maryland. 124,000+ records from 1970 to the present.

TOXLINE - TOXICOLOGY INFORMATION ONLINE (MEDLARS)
Specifically designed to offer comprehensive bibliographic coverage of toxicology information. Covers the pharmacological, biochemical, physiological, environmental, and toxicological effects of chemicals and drugs. Fourteen subfiles including Toxicity Bibliography (TOXBIB) from MEDLINE, Chemical-Biological Activities (CBAC) from Chemical Abstracts, Toxicological Aspects of Environmental Health (BIOSIS) from Biological Abstracts, Pesticides Abstracts (PESTAB), International Pharmaceutical Abstracts (IPA), NIOSHTIC (NIOSH), Toxicology Research Projects from the NIH Computer Retrieval of Information on Scientific Projects database (CRISP), Toxicology Document and Data Depository (NTIS) from NTIS, Hazardous Materials Technical Center of Defense Logistics Agency (HMTC), Environmental Mutagen and Environmental Teratology Information Centers (EMIC and ETIC), International Labour Office CIS Abstracts (CIS), Aneuploidy (ANEUPL), and Epidemiology Information System (EPIDEM) of FDA. Produced by Specialized Information Services of the National Library of Medicine. 2,000,000+ references.

RISK ASSESSMENT

HAZARDOUS WASTE COLLECTION (EPA)
Database of information sources on subject of hazardous waste. Includes references to books, key journals, EPA reports and databases. Operates on IBM XT/AT compatibles and requires dBASE II/III software. Created by EPA Headquarters Library. Available for purchase through NTIS (PB87-152690).

INTEGRATED RISK INFORMATION SYSTEM - IRIS (PHNET - pending)
EPA database of chemical-specific risk information on 365 chemicals with new files added every month. Gives verified reference dose summaries and verified carcinogen assessments, drinking water health advisories and summaries of EPA regulations. Available through the Public Health Network (PHNET), to be available through National Library of Medicine's TOXNET. Contact IRIS Users Support 513/569-7254.

STUDIES ON TOXICITY APPLICABLE TO RISK ASSESSMENT - STARA (EPA NCC-IBM System 3090 Mainframe)
EPA database of quantitative toxicity data at the dose group level compiled from world scientific publications. The associated programs allow easy access to chemical-specific toxicity data, convert the raw data into common dose units of mg/kg/day, and provide graphs of the data as dose versus duration versus toxic severity. Available from TSSMS Office 919/541-3629.

AIR TOXICS

NATIONAL AIR TOXICS INFORMATION CLEARINGHOUSE DATABASE - NATICH (NATICH - EPA)
In-house database of the EPA National Air Toxics Information Clearinghouse. Contains information collected from Federal, State, and local agencies, as well as research information from EPA and other organizations. Information collected from air pollution control agencies is organized according to agency, pollutant, and emission source, and includes the following: regulatory program descriptions and contacts; permitting data; acceptable ambient concentrations; ambient air monitoring information; source test data; emissions inventory data; and research and development information. In addition selected preliminary EPA risk assessment information is included in NATICH. Research information is presented in two categories: descriptions of ongoing research and regulatory development projects, and bibliographic citations/abstracts for published documents. NATICH is available to government agencies for direct access (Contact 919-541-0850/FTS 629-0850) and to the public through NTIS (Contact 703-487-4807).

EMERGENCY RESPONSE

CHEMICAL HAZARD RESPONSE INFORMATION SYSTEM - CHRIS (CIS)
Contains emergency response and chemical handling information for 1,016 chemical substances. The fields of information covered in CHRIS include physical and chemical properties, health hazards, fire hazards, chemical reactivity, water pollution, shipping and labelling requirements, Coast Guard hazard assessment codes and classifications, and response and first aid information. Also available on CD-ROM (SilverPlatter) and in a microcomputer version on floppy disks (from CIS).

CHEMTREC HAZARD INFORMATION TRANSMISSION - HITS (CMA)
Chemical profiles giving emergency response information which represents an in-house synthesis of information from reference materials and MSDS's submitted by CHEMTREC members from industry. Users cannot search the database, rather, specific information is downloaded to the user by HITS staff. Use of the database requires pre-registration approval from CMA. Registration is limited to fire services, police and sheriff's departments, emergency medical services and other groups which respond to chemical emergencies. Operated by the Chemical Manufacturers Association.

HAZARDLINE (OHS, BRS)
Provides emergency response, safety, regulatory, and health information on 4,000+ chemicals. Data element for special bulletins for news/current awareness on chemicals. Handbook format; user friendly, menu driven system (on OHS). Produced by Occupational Health Services.

PUBLICATIONS INFORMATION

CURRENT CONTENTS SEARCH (BRS)
Online version of the Institute for Scientific Information's Current Contents. Provides the tables of contents of current journals in the sciences and other subject areas and gives bibliographic information for each item listed.

GPO MONTHLY CATALOG (BRS, DIALOG)
Corresponds to printed Monthly Catalog of United States Government Publications. References reports, studies, fact sheets, maps, handbooks, conference proceedings, etc., issued by all U.S. agencies, including Congress. Also included are records of all Senate and House hearings on private and public bills and laws.

REGULATORY INFORMATION

CHEMICAL ACTIVITY STATUS REPORT - CASR (CIS)
Lists chemicals that EPA is studying or has studied in the course of regulatory or scientific research activities. Includes 19,000+ records covering 8,000+ unique chemicals. Summaries of EPA activities and contacts included.

CHEMICAL REGULATIONS AND GUIDELINES SYSTEM - CRGS (DIALOG)
Indexes U.S. federal regulatory material relating to the control of chemical substances, covering federal statutes, promulgated regulations, and available federal guidelines, standards, and support documents. Indexed by chemical name and CAS registry number. Sponsored by the U.S. Interagency Regulatory Liaison Group. 4,500+ records on regulations in effect since June, 1982.

NATIONAL PESTICIDE INFORMATION RETRIEVAL SYSTEM - NPIRS (NPIRS)
Includes 50,000+ pesticide products registered by EPA and registrations of several states. For each federally-registered product provides: Product name(s), registrant name and address, EPA registration number, type(s) of formulation and pesticidal activity, active ingredient name(s) and percentage(s), site(s) and crop(s), pest(s) for each site or crop. Includes Report from OPP, the newsletter of the EPA Office of Pesticide program. Soon to include EPA's Pesticide Data Management System Database which will include information on 160,000+ different scientific studies and related documents submitted to EPA by companies seeking pesticide product registration.

CONTACT INFORMATION FOR ESTABLISHING ONLINE SYSTEMS ACCESS

BRS/ BRS COLLEAGUE
Bibliographic Retrieval Services
1200 Route 7
Latham, NY 12110
800-468-0908

CHEMICAL INFORMATION SYSTEM (CIS)
CIS, Inc.
Fein Marquart Associates
7215 York Road
Baltimore, MD 21212
800-247-8737

CHEMTREC HITS (CMA)
Chemical Manufacturers Assoc.
2501 M Street, N.W.
Washington, D.C. 20037
202-887-1255

DIALOG
Dialog Information Services, Inc.
Marketing Dept.
3460 Hillview Avenue
Palo Alto, CA 94304
800-227-1927

INFOLINE/ORBIT
Pergamon Orbit/Infoline, Inc.
8000 Westpark Drive
McLean, VA 22101
800-421-7229

MEDLARS
MEDLARS Management Section
National Library of Medicine
Bldg. 38A, Rm 4N421
Bethesda, MD 20209
800-638-8480

NATICH
Pollutant Assessment Branch, MD-13
U.S. EPA
Research Triangle Park, NC 27711
919-541-0850/FTS 629-0850

OHS-HAZARDLINE/EHN
Occupational Health Services, Inc.
400 Plaza Drive, Box 1505
Secaucus, NJ 07094
800-223-8978

REPROTOX
Reproductive Toxicology Center
2425 L Street, N.W.
Washington, D.C. 20037
202-293-5137

NPIRS
National Pesticide Retrieval System
User Services Manager
Entomology Hall
Purdue University
West Lafayette, IN 47907
317-494-6614

TOXNET
National Library of Medicine
Specialized Information Services
Biomedical Files Implementation Branch
8600 Rockville Pike
Bethesda, MD 20894
301-496-6531

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

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15. SUPPLEMENTARY NOTES

16. ABSTRACT

Many State and local gencies are developing or implementing programs to control emissions fo toxic air pollutants. To successfully carry our these programs, in many cases, agency personnel must be familiar with a wide range of issues related to health, exposure, and risk assessment for toxic air pollutants. However, locating appropriate sources of information on these topics is not always an easy task. This directory has been prepared by the U.s. Environmental Protection Agency's (EPA's) Air Risk Information Support Center (Air RISC) as a resource tool for state and local air pollution control agencies and EPA Regional Offices to identify useful sources of informaiton regarding health, exposure, and risk assessments for toxic air pollutants.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Risk Assessments Exposure Assessments Health Assessments	AirRISC-Air Risk Information Support Center	

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